

Converting Colors

XYZ(65.4646, 74.7927,
105.5938)

Have a look what the booklet for
XYZ(65.4646, 74.7927, 105.5938)
contains.

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Color

**XYZ(65.5490, 74.9628,
105.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E9FF
RGB	178, 233, 255
RGB Percent	70%, 91%, 100%
CMY	0.3019, 0.0863, 0.0000
CMYK	0.30, 0.09, 0.00, 0.00
HSL	197°, 100%, 85%
HSV	197°, 30%, 100%
XYZ	65.5490, 74.9628, 105.6222
YIQ	219.0630, -39.8420, -4.8180

Conversions

Conversions Part 2

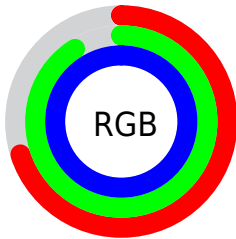
Format	Color
R _Y B	178, 210, 255
Decimal	11725311
CIE Lab	89.38, -12.45, -16.30
CIE LCh	89, 20.513, 232.624
Yxy	74.9628, 0.2663, 0.3046
Android (android.graphics.Color)	4289915391 (0xFFB2E9FF)
YUV	219.0630, 17.7169, -36.0123
Hunter-Lab	86.5811, -16.3776, -11.7225

Details

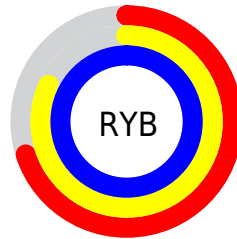
The XYZ color **65.5490, 74.9628, 105.6222** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9303, 65.7826, 51.1329**, and the grayscale version is **67.2782, 70.7819, 77.0814**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **34.0836, 39.7325, 59.2988** is the 20% darker color. If you saturate the color by 10%, you get **58.2135, 68.1845, 104.7005**, and if you desaturate by 10%, it is **74.0612, 82.4778, 106.6241**.

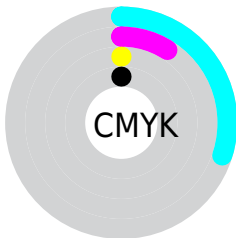
Distribution



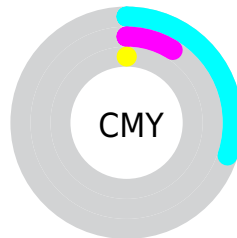
- Red (70%)
- Green (91%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.5490, 74.9628, 105.6222 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 65.5490, 74.9628, 105.6222 by changing the saturation by 10% instead.

65.5490, 74.9628,
105.6222

65.5490, 74.9628,
105.6222

434.2763,
477.7897, 599.4714

48.1727, 55.5824,
80.3612

111.9001,
126.2597, 170.9812

34.1755, 39.8682,
59.4877

141.6057,
158.9450, 211.9162

23.1920, 27.4358,
42.5832

176.1517,
196.8341, 258.9129

14.8568, 17.9008,
29.2293

215.9035,
240.3113, 312.3899

8.8046, 10.8788,
19.0073

261.2266,
289.7611, 372.7657

4.6700, 5.9854,
11.4987

312.4861,

2.0877, 2.8362,

345.5678, 440.4589

6.2849

370.0476,
408.1159, 515.8879

■ 0.6825, 1.0468,
2.9475

■ 0.0000, 0.0000,
1.0679

■ 65.5490, 74.9628,
105.6222

■ 65.5490, 74.9628,
105.6222

■ 58.2135, 68.1845,
104.7005

■ 74.0612, 82.4778,
106.6241

■ 51.9873, 62.1011,
103.8544

■ 83.8006, 90.7515,
107.7078

■ 46.8051, 56.6792,
103.0810

94.8223, 99.8155,
108.8764

■ 42.5918, 51.8787,
102.3765

95.0500, 100.0000,
108.9000

■ 39.2617, 47.6536,
101.7365

■ 36.7125, 43.9497,
101.1559

■ 34.8095, 40.7390,
100.6365

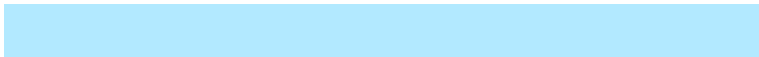
Harmonies

Analogous

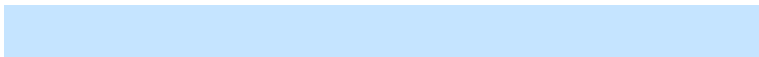
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7055, 74.9628, 92.7257



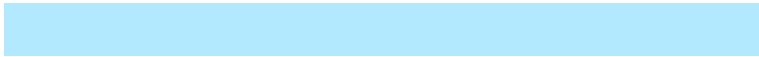
65.5490, 74.9628, 105.6222



70.0178, 74.9628, 112.2246

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.5490, 74.9628, 105.6222



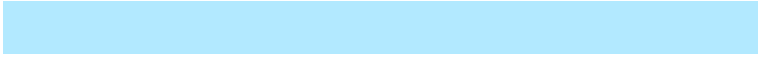
81.2587, 74.9628, 85.2227



67.6005, 74.9628, 58.6695

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



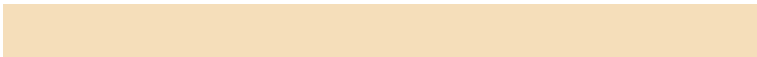
65.5490, 74.9628, 105.6222



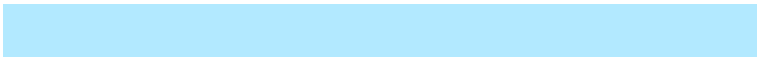
69.9303, 65.7826, 51.1329

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4964, 74.9628, 57.1590



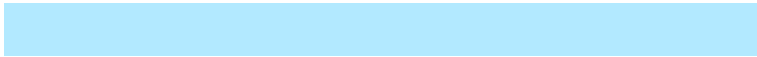
65.5490, 74.9628, 105.6222



80.5372, 74.9628, 71.4416

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



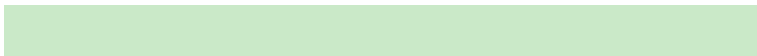
65.5490, 74.9628, 105.6222



79.1999, 74.9628, 99.5811



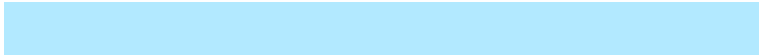
77.2721, 74.9628, 61.5638



63.8505, 74.9628, 65.9629

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.5490, 74.9628, 105.6222



73.3806, 74.9628, 111.6819



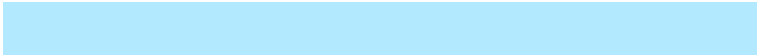
77.2721, 74.9628, 61.5638



69.1608, 74.9628, 57.5064

Sweetspot

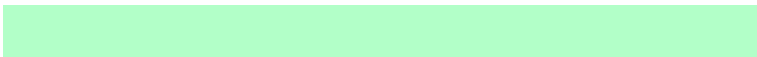
The Sweet Spot groups the original color and five complimentary colors.



65.5510, 74.9657, 105.6227



85.0490, 91.7922, 107.8429



64.5251, 85.1471, 67.5670



17.8791, 19.3763, 23.0476



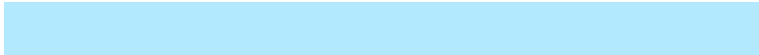
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.5510, 74.9657, 105.6227



61.1525, 70.9421, 105.0779



55.8557, 55.5751, 102.3909



18.0907, 19.5529, 23.0706



18.3226, 21.5548, 52.6294



1.8774, 2.2855, 5.1555

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.8697, 58.9856, 84.6915



68.4842, 53.1701, 80.6178



79.9433, 85.8086, 54.4705



18.5584, 18.2067, 21.5577



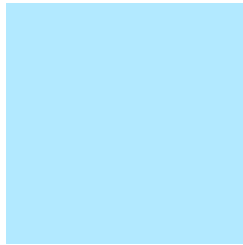
26.0366, 12.9039, 24.6410



2.5822, 1.2753, 2.6474

Previews

White Background



This preview shows how the XYZ color 65.5490, 74.9628, 105.6222 looks on a white background.

Color Contrast Check

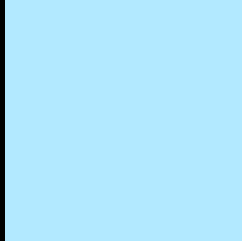
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 65.5490, 74.9628, 105.6222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

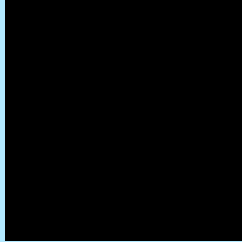
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.5490, 74.9628, 105.6222

Background



This preview shows how black text looks on a background with the XYZ color 65.5490, 74.9628, 105.6222.

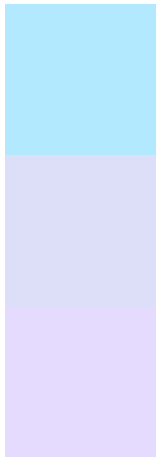


This preview shows how white text looks on a background with the XYZ color 65.5490, 74.9628,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

65.5490, 74.9628, 105.6222

Protanopia

72.8833, 74.3920, 99.3247

Deuteranopia

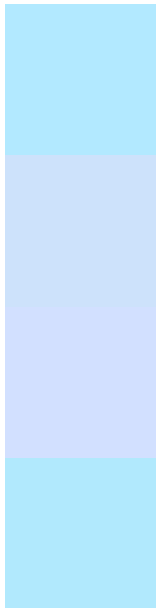
75.6946, 74.5410, 105.0061



Tritanopia

64.8411, 74.6532, 103.0875

Trichromacy



Original Color

65.5490, 74.9628, 105.6222

Protanomaly

69.7858, 74.3369, 101.9371

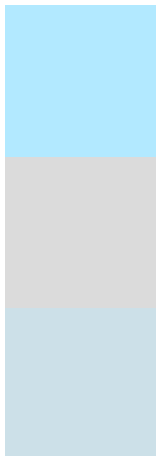
Deuteranomaly

71.2840, 74.2329, 105.1791

Tritanomaly

65.0000, 74.7168, 103.9244

Monochromacy



Original Color

65.5490, 74.9628, 105.6222

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.1230, 71.9749, 86.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5490, 74.9628, 105.6222 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 233, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.5490, 74.9628, 105.6222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 233, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 233, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5490, 74.9628, 105.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 233, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
233, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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