

Converting Colors

XYZ(64.4890, 74.6445, 96.6591)

Have a look what the booklet for
XYZ(64.4890, 74.6445, 96.6591)
contains.

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Color

**XYZ(64.5241, 74.6332,
96.5928)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E9F4
RGB	181, 233, 244
RGB Percent	71%, 91%, 96%
CMY	0.2902, 0.0863, 0.0431
CMYK	0.26, 0.05, 0.00, 0.04
HSL	190°, 74%, 83%
HSV	190°, 26%, 96%
XYZ	64.5241, 74.6332, 96.5928
YIQ	218.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

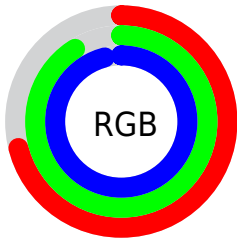
Format	Color
R_{YB}	181, 209, 244
Decimal	11921908
CIE _{Lab}	89.22, -14.10, -10.76
CIE _{LCh}	89, 17.735, 217.341
Yxy	74.6332, 0.2737, 0.3166
Android (android.graphics.Color)	4290111988 (0xFFB5E9F4)
YUV	218.7060, 12.4699, -33.0682
Hunter-Lab	86.3905, -17.8637, -5.8185

Details

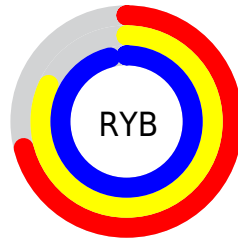
The XYZ color **64.5241, 74.6332, 96.5928** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4993, 60.2691, 51.9514**, and the grayscale version is **67.0636, 70.5561, 76.8356**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **33.4034, 39.5107, 53.4427** is the 20% darker color. If you saturate the color by 10%, you get **58.1055, 69.5576, 95.9527**, and if you desaturate by 10%, it is **71.9782, 80.2895, 97.2929**.

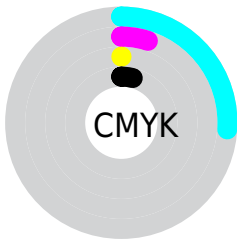
Distribution



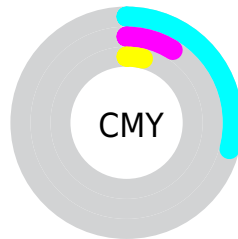
- Red (71%)
- Green (91%)
- Blue (96%)



- Red (71%)
- Yellow (82%)
- Blue (96%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (29%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5241, 74.6332, 96.5928 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 64.5241, 74.6332, 96.5928 by changing the saturation by 10% instead.

64.5241, 74.6332,
96.5928

64.5241, 74.6332,
96.5928

430.6521,
476.6559, 570.3658

47.3386, 55.3124,
72.8572

110.4349,
125.7930, 158.4777

33.5124, 39.6519,
53.3681

139.8909,
158.4008, 197.4642

22.6804, 27.2673,
37.7070

174.1677,
196.2065, 242.3712

14.4771, 17.7740,
25.4553

213.6307,
239.5944, 293.6175

8.5371, 10.7879,
16.1945

258.6453,
288.9489, 351.6216

4.4952, 5.9244,
9.5060

309.5769,

1.9859, 2.7992,

344.6543, 416.8020

4.9714

366.7907,
407.0952, 489.5772

■ 0.6260, 1.0278,
2.1720

■ 0.0000, 0.0000,
0.6582

■ 64.5241, 74.6332,
96.5928

■ 64.5241, 74.6332,
96.5928

■ 58.1055, 69.5576,
95.9527

■ 71.9782, 80.2895,
97.2929

■ 52.6632, 65.0264,
95.3649

■ 80.5098, 86.5430,
98.0503

■ 48.1424, 61.0129,
94.8285

■ 90.1666, 93.4203,
98.8688

■ 44.4797, 57.4840,
94.3404

■ 91.7680, 96.1889,
99.3188

■ 41.6036, 54.4026,
93.8972

■ 93.1068, 98.8666,
99.7651

■ 39.4307, 51.7254,
93.4950

■ 93.3294, 99.3117,
99.8393

■ 37.8577, 49.3988,
93.1288

■ 37.3113, 48.4956,
92.9832

Harmonies

Analogous

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



62.9991, 74.6332, 84.3462



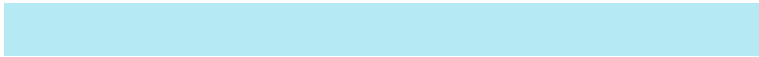
64.5241, 74.6332, 96.5928



67.7788, 74.6332, 105.2997

Triad

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



64.5241, 74.6332, 96.5928



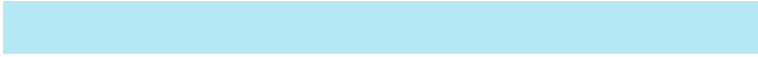
78.8964, 74.6332, 90.7945



69.8787, 74.6332, 59.8433

Complementary

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



64.5241, 74.6332, 96.5928



64.4993, 60.2691, 51.9514

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.



74.1911, 74.6332, 61.1942



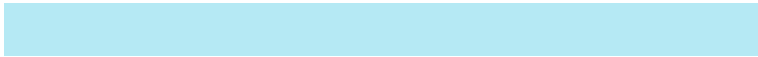
64.5241, 74.6332, 96.5928



79.5143, 74.6332, 78.2556

Square

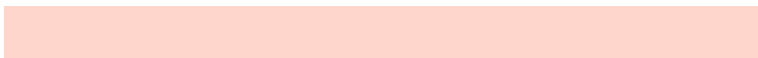
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5241, 74.6332, 96.5928



76.1048, 74.6332, 101.7217



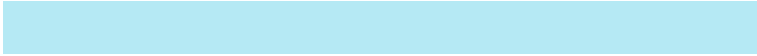
77.7605, 74.6332, 67.6473



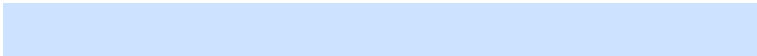
66.0078, 74.6332, 63.7495

Rectangle

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



64.5241, 74.6332, 96.5928



70.5512, 74.6332, 107.4704



77.7605, 74.6332, 67.6473



71.3234, 74.6332, 59.7051

Sweetspot

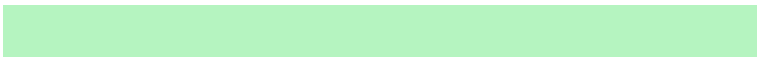
The Sweet Spot groups the original color and five complimentary colors.



64.5263, 74.6362, 96.5945



86.8135, 94.0831, 108.1920



60.8674, 78.3102, 61.4882



18.2692, 19.9101, 23.1301



0.0000, 0.0000, 0.0000



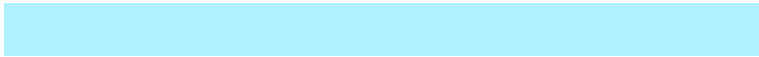
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5263, 74.6362, 96.5945



67.4580, 79.4739, 106.3923



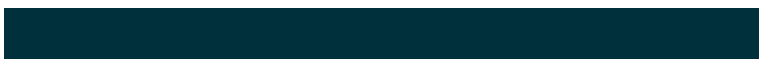
56.5073, 58.5982, 93.9215



16.7362, 18.2367, 21.1805



20.3777, 26.5491, 50.5885



1.8542, 2.4599, 4.4673

Inverse Universe

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



68.5419, 58.1658, 84.7087



72.6627, 58.6540, 90.8681



72.0378, 75.3461, 54.4642



17.0822, 16.7157, 20.1793



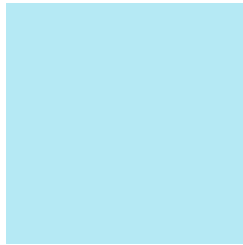
26.0902, 12.7795, 31.5131



2.3250, 1.1360, 2.9378

Previews

White Background



This preview shows how the XYZ color 64.5241, 74.6332, 96.5928 looks on a white background.

Color Contrast Check

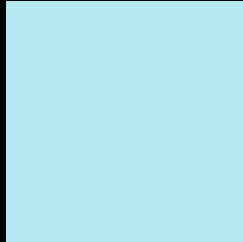
Large Text (above 18pt) WCAG AA × Fail

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 64.5241, 74.6332, 96.5928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

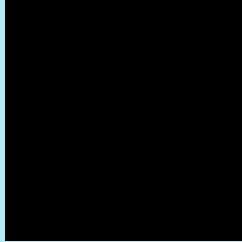
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5241, 74.6332, 96.5928

Background



This preview shows how black text looks on a background with the XYZ color 64.5241, 74.6332, 96.5928.

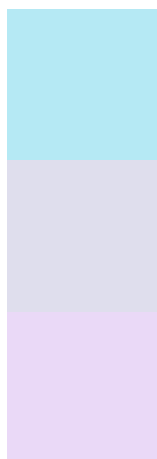


This preview shows how white text looks on a background with the XYZ color 64.5241, 74.6332,

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

64.5241, 74.6332, 96.5928

Protanopia

71.8388, 74.0450, 90.6266

Deuteranopia

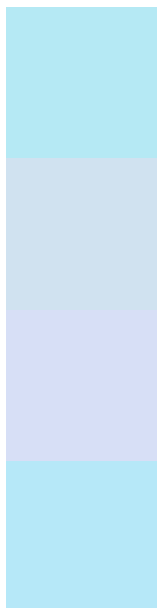
75.5330, 73.8335, 98.2660



Tritanopia

65.5606, 74.6233, 102.2151

Trichromacy



Original Color

64.5241, 74.6332, 96.5928

Protanomaly

68.9370, 74.0939, 93.1063

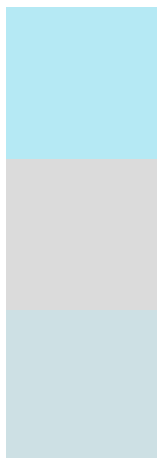
Deuteranomaly

71.0466, 73.8762, 97.7038

Tritanomaly

65.0913, 74.4356, 99.7438

Monochromacy



Original Color

64.5241, 74.6332, 96.5928

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.8361, 71.8919, 83.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5241, 74.6332, 96.5928 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(181, 233, 244)` looks like.

```
.text, #text, p{  
    color:rgb(181, 233, 244)  
}
```

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(181, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 233, 244) }
```

Border

The CSS property to change the border of an element to XYZ 64.5241, 74.6332, 96.5928 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(181, 233, 244) }
```


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

```
.border{ border-color:rgb(181, 233, 244) }
```

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

Here you see how a box with a 4 pixel rgb(181, 233, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 233, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 233, 244);  
box-shadow:4px 4px 4px 4px rgb(181, 233,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5241, 74.6332, 96.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 233, 244) }
```

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

```
.background{ background-color: rgb(181,  
233, 244) }
```

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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