

Converting Colors

XYZ(65.4602, 76.3776,
104.7439)

Have a look what the booklet for
XYZ(65.4602, 76.3776, 104.7439)
contains.

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Color

**XYZ(65.3404, 76.1453,
105.0196)**

Conversions

Conversions Part 1

Format	Color
Hex	AEECFE
RGB	174, 236, 254
RGB Percent	68%, 93%, 100%
CMY	0.3176, 0.0745, 0.0039
CMYK	0.31, 0.07, 0.00, 0.00
HSL	193°, 98%, 84%
HSV	193°, 31%, 100%
XYZ	65.3404, 76.1453, 105.0196
YIQ	219.5140, -42.7300, -7.5460

Conversions

Conversions Part 2

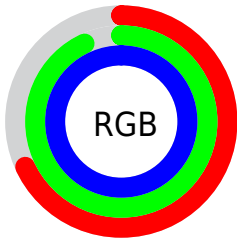
Format	Color
RYB	174, 209, 254
Decimal	11463934
CIELab	89.93, -15.30, -14.97
CIElCh	90, 21.406, 224.387
Yxy	76.1453, 0.2651, 0.3089
Android (android.graphics.Color)	4289654014 (0xFFAEECFE)
YUV	219.5140, 17.0016, -39.9158
Hunter-Lab	87.2613, -19.0482, -10.2731

Details

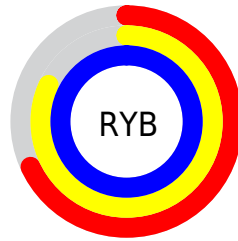
The XYZ color **65.3404, 76.1453, 105.0196** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3638, 61.8269, 48.4296**, and the grayscale version is **67.5976, 71.1179, 77.4474**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **34.0071, 40.5957, 58.8667** is the 20% darker color. If you saturate the color by 10%, you get **58.5894, 70.2634, 104.2414**, and if you desaturate by 10%, it is **73.2186, 82.6902, 105.8690**.

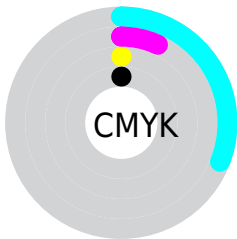
Distribution



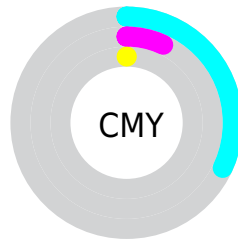
- Red (68%)
- Green (93%)
- Blue (100%)



- Red (68%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3404, 76.1453, 105.0196 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 65.3404, 76.1453, 105.0196 by changing the saturation by 10% instead.

65.3404, 76.1453,
105.0196

65.3404, 76.1453,
105.0196

433.5401,
481.8449, 597.5525

48.0029, 56.5517,
79.8590

111.6021,
127.9323, 170.1501

34.0404, 40.6454,
59.0769

141.2570,
160.8944, 210.9572

23.0877, 28.0421,
42.2546

175.7483,
199.0815, 257.8168

14.7793, 18.3574,
28.9736

215.4416,
242.8779, 311.1476

8.7500, 11.2069,
18.8155

260.7020,
292.6681, 371.3679

4.6343, 6.2062,
11.3616

311.8950,

2.0668, 2.9708,

348.8364, 438.8965

6.1934

369.3859,
411.7672, 514.1519

■ 0.6711, 1.1165,
2.8923

■ 0.0000, 0.0000,
1.0399

■ 65.3404, 76.1453,
105.0196

■ 65.3404, 76.1453,
105.0196

■ 58.5894, 70.2634,
104.2414

■ 73.2186, 82.6902,
105.8690

■ 52.8978, 65.0031,
103.5260

■ 82.2732, 89.9185,
106.7869

■ 48.2008, 60.3323,
102.8720

■ 92.5589, 97.8611,
107.7779

■ 44.4235, 56.2116,
102.2758

94.8896, 99.9359,
108.0555

■ 41.4799, 52.5959,
101.7330

■ 39.2663, 49.4310,
101.2388

■ 37.8238, 47.0241,
100.8502

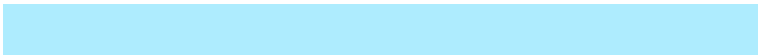
Harmonies

Analogous

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



62.9547, 76.1453, 90.3662



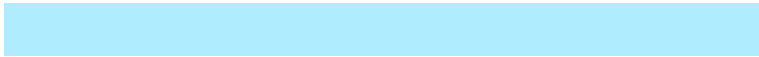
65.3404, 76.1453, 105.0196



69.6687, 76.1453, 114.2753

Triad

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



65.3404, 76.1453, 105.0196



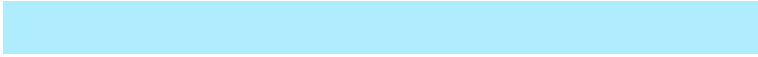
82.6269, 76.1453, 91.0053



69.8738, 76.1453, 57.7554

Complementary

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



65.3404, 76.1453, 105.0196



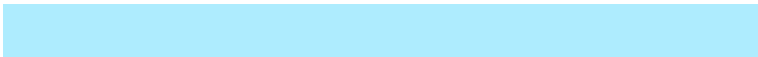
67.3638, 61.8269, 48.4296

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.



75.1481, 76.1453, 57.8822



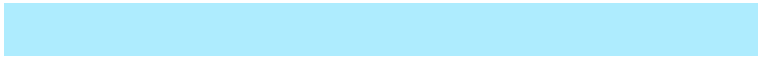
65.3404, 76.1453, 105.0196



82.6885, 76.1453, 75.8743

Square

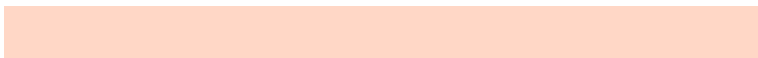
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3404, 76.1453, 105.0196



79.7304, 76.1453, 105.5364



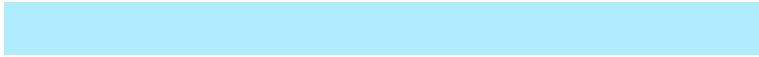
79.8947, 76.1453, 64.1429



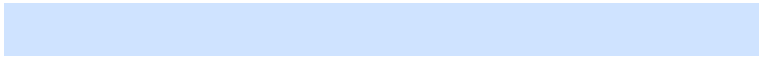
65.4843, 76.1453, 63.7722

Rectangle

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



65.3404, 76.1453, 105.0196



73.1554, 76.1453, 115.5060



79.8947, 76.1453, 64.1429



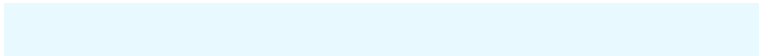
71.5979, 76.1453, 57.1064

Sweetspot

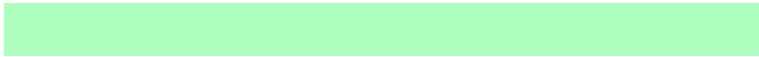
The Sweet Spot groups the original color and five complimentary colors.



65.3427, 76.1483, 105.0214



85.4799, 92.6541, 107.9865



62.3397, 83.6601, 62.3470



17.9857, 19.5896, 23.0832



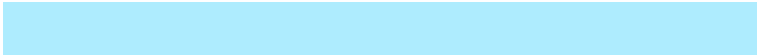
0.0000, 0.0000, 0.0000



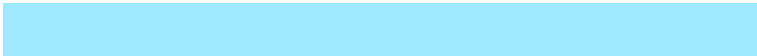
20.3446, 21.4041, 23.3091

Same Dimension

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



65.3427, 76.1483, 105.0214



61.3659, 72.8905, 105.4427



55.2374, 55.9376, 101.6529



18.1879, 19.7474, 23.1030



20.0566, 25.0228, 53.2074



2.0338, 2.5982, 5.2076

Inverse Universe

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



71.1513, 57.4010, 86.6896



68.2205, 51.6425, 83.6133



77.1838, 81.4670, 51.7030



18.6075, 18.2263, 21.8162



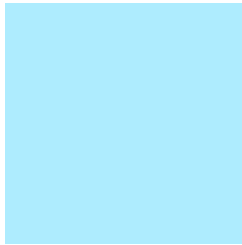
26.9119, 13.2540, 29.2500



2.6612, 1.3068, 3.0631

Previews

White Background



This preview shows how the XYZ color 65.3404, 76.1453, 105.0196 looks on a white background.

Color Contrast Check

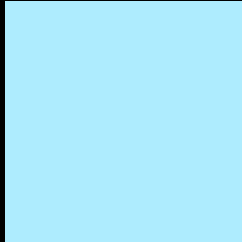
Large Text (above 18pt) WCAG AA × Fail

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 65.3404, 76.1453, 105.0196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

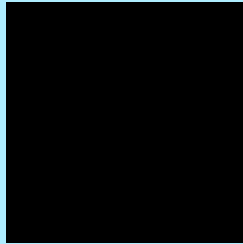
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3404, 76.1453, 105.0196

Background



This preview shows how black text looks on a background with the XYZ color 65.3404, 76.1453, 105.0196.

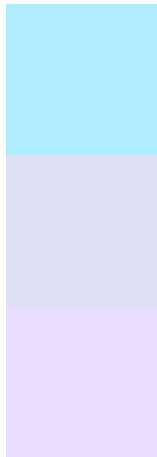


This preview shows how white text looks on a background with the XYZ color 65.3404, 76.1453,

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

65.3404, 76.1453, 105.0196

Protanopia

73.7216, 75.6531, 97.9057

Deuteranopia

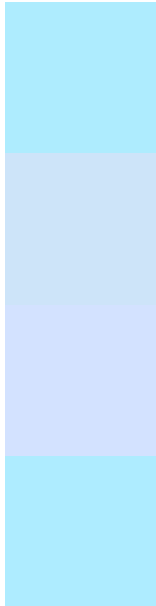
76.9219, 75.5622, 105.1385



Tritanopia

65.5010, 76.2096, 105.8654

Trichromacy



Original Color

65.3404, 76.1453, 105.0196

Protanomaly

70.0191, 75.3055, 100.4675

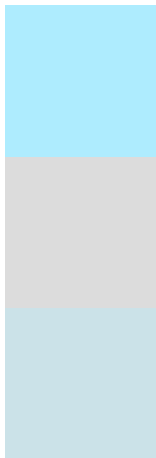
Deuteranomaly

72.1103, 75.4616, 105.3727

Tritanomaly

65.5010, 76.2096, 105.8654

Monochromacy



Original Color

65.3404, 76.1453, 105.0196

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.3904, 72.9154, 86.9189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3404, 76.1453, 105.0196 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(174, 236, 254)` looks like.

```
.text, #text, p{  
    color:rgb(174, 236, 254)  
}
```

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(174, 236, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 236, 254) }
```

Border

The CSS property to change the border of an element to XYZ 65.3404, 76.1453, 105.0196 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(174, 236, 254) }
```


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

```
.border{ border-color:rgb(174, 236, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 236, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 236, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 236, 254);  
box-shadow:4px 4px 4px 4px rgb(174, 236,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3404, 76.1453, 105.0196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 236, 254) }
```

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

```
.background{ background-color: rgb(174,  
236, 254) }
```

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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