

Converting Colors

XYZ(48.3360, 67.1520,
105.0218)

Have a look what the booklet for
XYZ(48.3360, 67.1520, 105.0218)
contains.

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Color

**XYZ(48.4715, 67.4305,
105.0684)**

Conversions

Conversions Part 1

Format	Color
Hex	1AECFF
RGB	26, 236, 255
RGB Percent	10%, 93%, 100%
CMY	0.8979, 0.0745, 0.0000
CMYK	0.90, 0.07, 0.00, 0.00
HSL	185°, 100%, 55%
HSV	185°, 90%, 100%
XYZ	48.4715, 67.4305, 105.0684
YIQ	175.3760, -131.2590, -38.6110

Conversions

Conversions Part 2

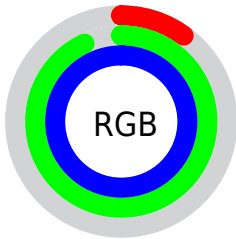
Format	Color
R _Y B	26, 136, 255
Decimal	1764607
CIE Lab	85.72, -38.98, -22.26
CIE LCh	86, 44.886, 209.724
Yxy	67.4305, 0.2194, 0.3052
Android (android.graphics.Color)	4279954687 (0xFF1AECFF)
YUV	175.3760, 39.2546, -131.0028
Hunter-Lab	82.1161, -38.3381, -18.3809

Details

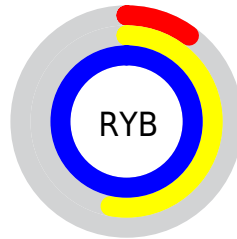
The XYZ color **48.4715, 67.4305, 105.0684** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.3667, 23.2144, 3.2275**, and the grayscale version is **40.8008, 42.9256, 46.7460**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **47.4475, 66.0050, 104.8472**, and if you desaturate by 10%, it is **50.0518, 69.1562, 105.3182**.

Distribution



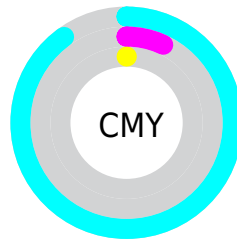
- Red (10%)
- Green (93%)
- Blue (100%)



- Red (10%)
- Yellow (53%)
- Blue (100%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4715, 67.4305, 105.0684 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 48.4715, 67.4305, 105.0684 by changing the saturation by 10% instead.

48.4715, 67.4305,
105.0684

48.4715, 67.4305,
105.0684

371.2096,
451.4756, 597.7080

34.4132, 49.4346,
79.8997

87.1115, 115.5371,
170.2175

23.3756, 34.9643,
59.1101

112.4239,
146.4165, 211.0349

14.9933, 23.6354,
42.2812

142.2184,
182.3592, 257.9056

8.9010, 15.0634,
28.9943

176.8603,
223.7495, 311.2482

4.7332, 8.8639,
18.8310

216.7150,
270.9719, 371.4812

2.1248, 4.6525,
11.3726

262.1479,

0.7026, 2.0449,

324.4108, 439.0231

6.2007

313.5243,
384.4506, 514.2926

■ 0.0000, 0.6333,
2.8968

■ 0.0000, 0.0000,
1.0422

■ 48.4715, 67.4305,
105.0684

■ 48.4715, 67.4305,
105.0684

■ 47.4475, 66.0050,
104.8472

■ 50.0518, 69.1562,
105.3182

■ 47.4280, 65.9760,
104.8427

■ 52.3430, 71.2579,
105.6031

■ 55.4474, 73.7895,
105.9281

■ 59.4493, 76.7945,
106.2973

64.4221, 80.3111,
106.7139

70.4320, 84.3731,
107.1812

77.5391, 89.0116,
107.7020

85.7989, 94.2554,
108.2788

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



46.3534, 67.4305, 73.1492



48.4715, 67.4305, 105.0684



54.6702, 67.4305, 133.6578

Triad

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



48.4715, 67.4305, 105.0684



82.6369, 67.4305, 105.6666



64.1855, 67.4305, 30.2448

Complementary

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



48.4715, 67.4305, 105.0684



42.3667, 23.2144, 3.2275

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.



74.5355, 67.4305, 34.7041



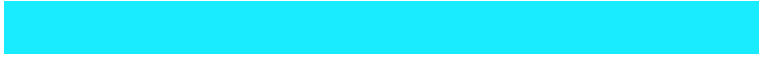
48.4715, 67.4305, 105.0684



85.8581, 67.4305, 73.6921

Square

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



48.4715, 67.4305, 105.0684



74.3541, 67.4305, 134.0629



82.7493, 67.4305, 48.8663



54.8180, 67.4305, 34.5396

Rectangle

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



48.4715, 67.4305, 105.0684



60.6430, 67.4305, 144.0304



82.7493, 67.4305, 48.8663



67.6665, 67.4305, 30.7478

Sweetspot

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



48.4734, 67.4329, 105.0688



72.3008, 85.6071, 107.3209



36.5926, 71.9024, 14.0757



14.9880, 18.0013, 22.9346



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.



48.4734, 67.4329, 105.0688



47.4280, 65.9760, 104.8427



25.8431, 22.1723, 97.5253



18.4184, 20.2083, 23.1798



24.8359, 34.5814, 54.8005



2.4547, 3.4401, 5.3479

Inverse Universe

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



56.7511, 28.0569, 81.7837



56.0687, 27.1915, 80.0167



53.2792, 45.0393, 6.8650



18.7238, 18.2728, 22.4287



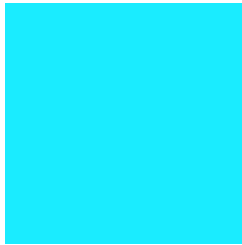
29.3242, 14.2190, 41.9534



2.8736, 1.3918, 4.1819

Previews

White Background



This preview shows how the XYZ color 48.4715, 67.4305, 105.0684 looks on a white background.

Color Contrast Check

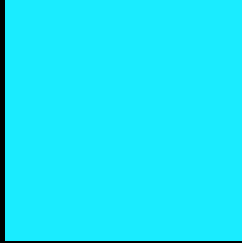
Large Text (above 18pt) WCAG AA × Fail

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 48.4715, 67.4305, 105.0684 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 48.4715, 67.4305, 105.0684

Background



This preview shows how black text looks on a background with the XYZ color 48.4715, 67.4305, 105.0684.

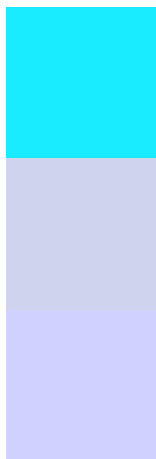


This preview shows how white text looks on a background with the XYZ color 48.4715, 67.4305,

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

48.4715, 67.4305, 105.0684

Protanopia

64.7393, 66.1715, 90.2492

Deuteranopia

67.1450, 66.3762, 103.8807



Tritanopia

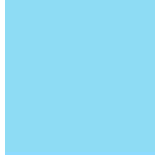
48.6105, 67.5022, 105.0749

Trichromacy



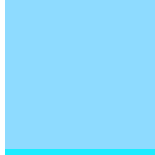
Original Color

48.4715, 67.4305, 105.0684



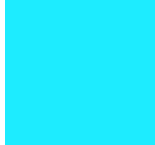
Protanomaly

53.0777, 63.4688, 95.0412



Deuteranomaly

54.5368, 63.6338, 104.0159



Tritanomaly

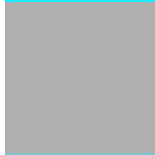
48.5521, 67.4721, 105.0722

Monochromacy



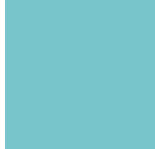
Original Color

48.4715, 67.4305, 105.0684



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.7505, 48.3571, 64.4182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4715, 67.4305, 105.0684 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(26, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 236, 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(26, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.4715, 67.4305, 105.0684 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(26, 236, 255) }
```


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

```
.border{ border-color:rgb(26, 236, 255) }
```

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

Here you see how a box with a 4 pixel rgb(26, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4715, 67.4305, 105.0684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 236, 255) }
```

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

```
.background{ background-color: rgb(26, 236,  
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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