

Converting Colors

XYZ(48.3275, 67.0640,
105.0053)

Have a look what the booklet for
XYZ(48.3275, 67.0640, 105.0053)
contains.

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Color

**XYZ(48.2372, 66.8835,
104.9752)**

Conversions

Conversions Part 1

Format	Color
Hex	1CEBFF
RGB	28, 235, 255
RGB Percent	11%, 92%, 100%
CMY	0.8901, 0.0784, 0.0000
CMYK	0.89, 0.08, 0.00, 0.00
HSL	185°, 100%, 55%
HSV	185°, 89%, 100%
XYZ	48.2372, 66.8835, 104.9752
YIQ	175.3870, -129.7920, -37.6640

Conversions

Conversions Part 2

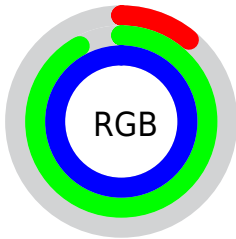
Format	Color
R _Y B	28, 136, 255
Decimal	1895423
CIE Lab	85.45, -38.44, -22.67
CIE LCh	85, 44.625, 210.536
Yxy	66.8835, 0.2192, 0.3039
Android (android.graphics.Color)	4280085503 (0xFF1CEBFF)
YUV	175.3870, 39.2492, -129.2584
Hunter-Lab	81.7823, -37.8355, -18.8566

Details

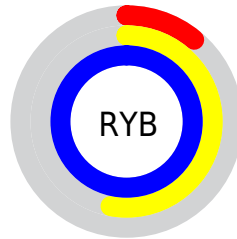
The XYZ color **48.2372, 66.8835, 104.9752** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.5083, 23.4605, 3.3887**, and the grayscale version is **40.8051, 42.9302, 46.7510**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **26.3131, 36.3174, 59.0492** is the 20% darker color. If you saturate the color by 10%, you get **47.1517, 65.3764, 104.7415**, and if you desaturate by 10%, it is **49.9030, 68.7046, 105.2389**.

Distribution



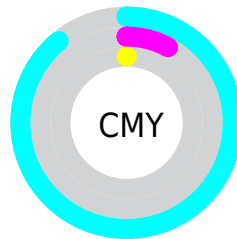
- Red (11%)
- Green (92%)
- Blue (100%)



- Red (11%)
- Yellow (53%)
- Blue (100%)



- Cyan (89%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2372, 66.8835, 104.9752 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 48.2372, 66.8835, 104.9752 by changing the saturation by 10% instead.

48.2372, 66.8835,
104.9752

48.2372, 66.8835,
104.9752

370.2985,
449.5300, 597.4109

34.2268, 48.9900,
79.8220

86.7650, 114.7535,
170.0889

23.2316, 34.6115,
59.0466

112.0132,
145.4987, 210.8865

14.8862, 23.3638,
42.2304

141.7379,
181.2966, 257.7360

8.8254, 14.8623,
28.9548

176.3047,
222.5315, 311.0560

4.6837, 8.7228,
18.8014

216.0787,
269.5879, 371.2649

2.0957, 4.5608,
11.3515

261.4255,

0.6869, 1.9920,

322.8502, 438.7813

6.1866

312.7103,
382.7028, 514.0238

■ 0.0000, 0.6028,
2.8883

■ 0.0000, 0.0000,
1.0379

■ 48.2372, 66.8835,
104.9752

■ 48.2372, 66.8835,
104.9752

■ 47.1517, 65.3764,
104.7415

■ 49.9030, 68.7046,
105.2389

■ 47.0569, 65.2339,
104.7190

■ 52.2894, 70.9079,
105.5384

■ 55.4969, 73.5467,
105.8787

■ 59.6089, 76.6638,
106.2636

■ 64.6982, 80.2971,
106.6967

■ 70.8303, 84.4803,
107.1809

■ 78.0652, 89.2442,
107.7191

■ 86.4578, 94.6174,
108.3139

■ 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.



46.0270, 66.8835, 73.3470



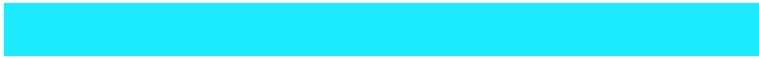
48.2372, 66.8835, 104.9752



54.4697, 66.8835, 132.9356

Triad

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



48.2372, 66.8835, 104.9752



82.0670, 66.8835, 103.8279



63.3890, 66.8835, 30.0971

Complementary

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



48.2372, 66.8835, 104.9752



42.5083, 23.4605, 3.3887

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.



73.6330, 66.8835, 34.2755



48.2372, 66.8835, 104.9752



85.0869, 66.8835, 72.3050

Square

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



48.2372, 66.8835, 104.9752



73.9811, 66.8835, 132.1589



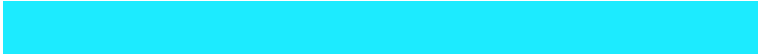
81.8515, 66.8835, 48.0167



54.1859, 66.8835, 34.5918

Rectangle

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



48.2372, 66.8835, 104.9752



60.4237, 66.8835, 142.8053



81.8515, 66.8835, 48.0167



66.8252, 66.8835, 30.5187

Sweetspot

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



48.2391, 66.8858, 104.9755



72.1914, 85.3884, 107.2845



36.7519, 71.9722, 14.6389



14.9618, 17.9488, 22.9258



0.0000, 0.0000, 0.0000



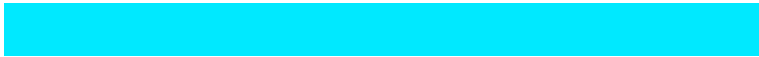
20.3446, 21.4041, 23.3091

Same Dimension

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



48.2391, 66.8858, 104.9755



47.0569, 65.2339, 104.7190



25.5637, 21.5351, 97.4171



18.4100, 20.1915, 23.1770



24.6449, 34.1995, 54.7368



2.4381, 3.4069, 5.3424

Inverse Universe

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



56.6519, 28.0905, 81.0358



55.8814, 27.1165, 79.0303



54.0957, 46.6353, 7.2511



18.7196, 18.2711, 22.4064



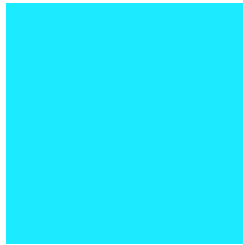
29.2278, 14.1804, 41.4457



2.8652, 1.3885, 4.1378

Previews

White Background



This preview shows how the XYZ color 48.2372, 66.8835, 104.9752 looks on a white background.

Color Contrast Check

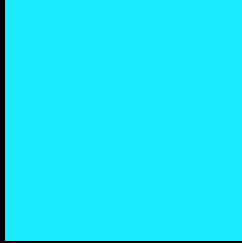
Large Text (above 18pt) WCAG AA × Fail

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 48.2372, 66.8835, 104.9752 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

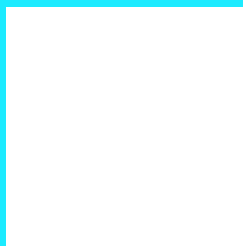
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2372, 66.8835, 104.9752

Background



This preview shows how black text looks on a background with the XYZ color 48.2372, 66.8835, 104.9752.

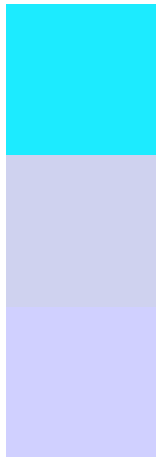


This preview shows how white text looks on a background with the XYZ color 48.2372, 66.8835,

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

48.2372, 66.8835, 104.9752

Protanopia

64.3587, 65.5906, 90.9295

Deuteranopia

66.6183, 65.7416, 103.7860



Tritanopia

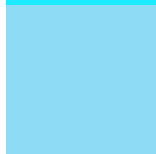
48.0237, 66.7920, 104.1270

Trichromacy



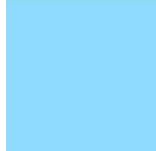
Original Color

48.2372, 66.8835, 104.9752



Protanomaly

52.9683, 63.0064, 95.7559



Deuteranomaly

54.4491, 63.2024, 103.9373



Tritanomaly

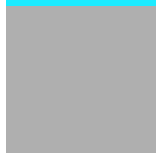
48.0497, 66.8054, 104.1282

Monochromacy



Original Color

48.2372, 66.8835, 104.9752



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.8914, 48.4297, 64.4248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2372, 66.8835, 104.9752 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(28, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 235, 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(28, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.2372, 66.8835, 104.9752 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(28, 235, 255) }
```


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

```
.border{ border-color:rgb(28, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2372, 66.8835, 104.9752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 235, 255) }
```

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

```
.background{ background-color: rgb(28, 235,  
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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