

Converting Colors

XYZ(48.1012, 67.1045,
105.0250)

Have a look what the booklet for
XYZ(48.1012, 67.1045, 105.0250)
contains.

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Color

**XYZ(48.1971, 67.2891,
105.0556)**

Conversions

Conversions Part 1

Format	Color
Hex	0CECFF
RGB	12, 236, 255
RGB Percent	5%, 93%, 100%
CMY	0.9527, 0.0745, 0.0000
CMYK	0.95, 0.07, 0.00, 0.00
HSL	185°, 100%, 52%
HSV	185°, 95%, 100%
XYZ	48.1971, 67.2891, 105.0556
YIQ	171.1900, -139.6030, -41.5790

Conversions

Conversions Part 2

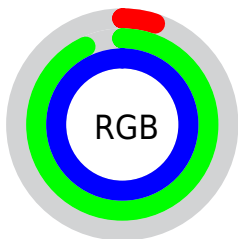
Format	Color
<code>RYB</code>	<code>12, 129, 255</code>
Decimal	<code>847103</code>
CIELab	<code>85.65, -39.43, -22.37</code>
CIELCh	<code>86, 45.333, 209.569</code>
Yxy	<code>67.2891, 0.2185, 0.3051</code>
Android (<code>android.graphics.Color</code>)	<code>4279037183</code> (<code>0xFF0CECFF</code>)
YUV	<code>171.1900, 41.3183, -139.6096</code>
Hunter-Lab	<code>82.0299, -38.6738, -18.5117</code>

Details

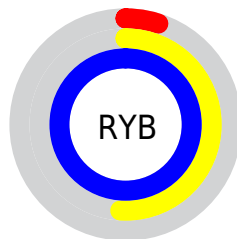
The XYZ color **48.1971, 67.2891, 105.0556** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.7985, 22.2701, 2.4456**, and the grayscale version is **38.6643, 40.6779, 44.2982**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **47.7754, 66.6707, 104.9585**, and if you desaturate by 10%, it is **49.4073, 68.7714, 105.2779**.

Distribution



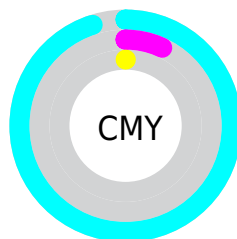
- Red (5%)
- Green (93%)
- Blue (100%)



- Red (5%)
- Yellow (51%)
- Blue (100%)



- Cyan (95%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1971, 67.2891, 105.0556 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 48.1971, 67.2891, 105.0556 by changing the saturation by 10% instead.


 48.1971, 67.2891,
105.0556


 48.1971, 67.2891,
105.0556


370.1425,
450.9731, 597.6672


 34.1949, 49.3196,
79.8890


 86.7057, 115.3346,
170.1998


 23.2070, 34.8731,
59.1014


 111.9428,
146.1793, 211.0145

 14.8679, 23.5651,
42.2742

 141.6557,
182.0846, 257.8823

 8.8125, 15.0113,
28.9889

 176.2095,
223.4349, 311.2218

 4.6752, 8.8273,
18.8269

215.9698,
270.6144, 371.4515

 2.0908, 4.6287,
11.3697

261.3018,

 0.6842, 2.0311,

324.0078, 438.9899

6.1988

312.5709,
383.9992, 514.2557

■ 0.0000, 0.6255,
2.8956

■ 0.0000, 0.0000,
1.0416

■ 48.1971, 67.2891,
105.0556

■ 48.1971, 67.2891,
105.0556

■ 47.7754, 66.6707,
104.9585

■ 49.4073, 68.7714,
105.2779

■ 51.2619, 70.5941,
105.5320

■ 53.8764, 72.8182,
105.8235

■ 57.3429, 75.4911,
106.1567

■ 61.7404, 78.6535,
106.5353

■ 67.1388, 82.3416,
106.9627

■ 73.6013, 86.5879,
107.4417

■ 81.1858, 91.4224,
107.9751

■ 89.9460, 96.8728,
108.5654

Harmonies

Analogous

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



46.0881, 67.2891, 72.8394



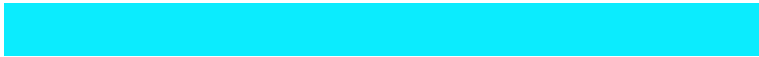
48.1971, 67.2891, 105.0556



54.4190, 67.2891, 134.0343

Triad

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



48.1971, 67.2891, 105.0556



82.6457, 67.2891, 106.0007



64.1058, 67.2891, 29.8513

Complementary

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



48.1971, 67.2891, 105.0556



41.7985, 22.2701, 2.4456

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.



74.5474, 67.2891, 34.3651



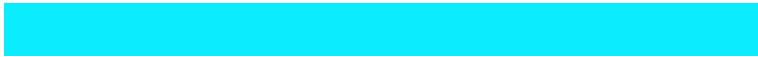
48.1971, 67.2891, 105.0556



85.9322, 67.2891, 73.6950

Square

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



48.1971, 67.2891, 105.0556



74.2612, 67.2891, 134.6753



82.8231, 67.2891, 48.6394



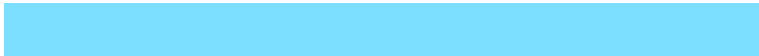
54.6517, 67.2891, 34.1075

Rectangle

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



48.1971, 67.2891, 105.0556



60.4289, 67.2891, 144.6110



82.8231, 67.2891, 48.6394



67.6183, 67.2891, 30.3698

Sweetspot

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



48.1990, 67.2914, 105.0559



71.0607, 84.9356, 107.2566



36.1254, 71.6838, 13.0476



14.6287, 17.7966, 22.9140



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.



48.1990, 67.2914, 105.0559



47.7754, 66.6707, 104.9585



24.6035, 20.1004, 97.1908



18.4262, 20.2240, 23.1824



25.0147, 34.9389, 54.8601



2.4702, 3.4711, 5.3531

Inverse Universe

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



56.5131, 27.5809, 81.7044



56.2440, 27.2616, 80.9400



52.1701, 43.0133, 5.9028



18.7278, 18.2744, 22.4495



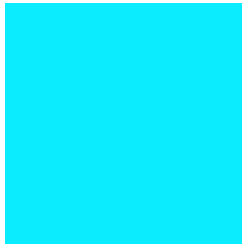
29.4145, 14.2551, 42.4285



2.8815, 1.3950, 4.2232

Previews

White Background



This preview shows how the XYZ color 48.1971, 67.2891, 105.0556 looks on a white background.

Color Contrast Check

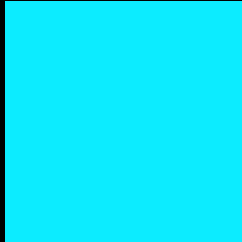
Large Text (above 18pt) WCAG AA × Fail

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 48.1971, 67.2891, 105.0556 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 48.1971, 67.2891, 105.0556

Background



This preview shows how black text looks on a background with the XYZ color 48.1971, 67.2891, 105.0556.

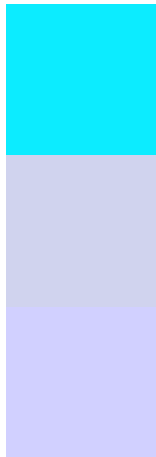


This preview shows how white text looks on a background with the XYZ color 48.1971, 67.2891,

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

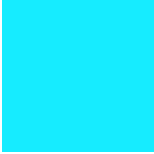
48.1971, 67.2891, 105.0556

Protanopia

64.7393, 66.1715, 90.2492

Deuteranopia

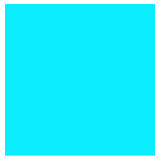
66.9004, 65.8871, 103.7992



Tritanopia

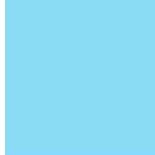
48.3763, 67.3815, 105.0640

Trichromacy



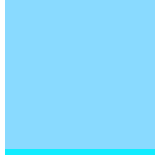
Original Color

48.1971, 67.2891, 105.0556



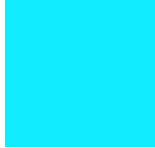
Protanomaly

52.2389, 63.0364, 95.0019



Deuteranomaly

53.4379, 62.6812, 103.8899



Tritanomaly

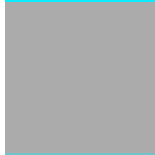
48.2949, 67.3395, 105.0602

Monochromacy



Original Color

48.1971, 67.2891, 105.0556



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.9858, 46.8052, 62.9621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1971, 67.2891, 105.0556 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(12, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.1971, 67.2891, 105.0556 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(12, 236, 255) }
```


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

```
.border{ border-color:rgb(12, 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(12, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1971, 67.2891, 105.0556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 236, 255) }
```

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

```
.background{ background-color: rgb(12, 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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