

Converting Colors

XYZ(47.3023, 66.7544, 88.9891)

Have a look what the booklet for
XYZ(47.3023, 66.7544, 88.9891)
contains.

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Color

**XYZ(47.3023, 66.7544,
88.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	47EBEB
RGB	71, 235, 235
RGB Percent	28%, 92%, 92%
CMY	0.7215, 0.0784, 0.0784
CMYK	0.70, 0.00, 0.00, 0.08
HSL	180°, 80%, 60%
HSV	180°, 70%, 92%
XYZ	47.3023, 66.7544, 88.9891
YIQ	185.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

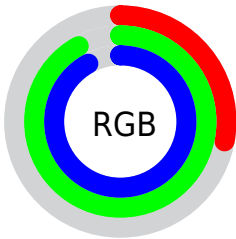
Format	Color
RYB	71, 153, 235
Decimal	4713451
CIELab	85.38, -40.75, -12.20
CIELCh	85, 42.535, 196.666
Yxy	66.7544, 0.2330, 0.3288
Android (android.graphics.Color)	4282903531 (0xFF47EBEB)
YUV	185.9640, 24.1747, -100.8234
Hunter-Lab	81.7034, -39.6380, -7.3847

Details

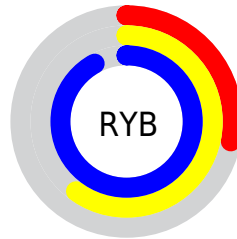
The XYZ color **47.3023, 66.7544, 88.9891** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **37.6538, 22.6258, 8.3461**, and the grayscale version is **46.5627, 48.9876, 53.3475**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **24.2568, 35.4949, 48.2206** is the 20% darker color. If you saturate the color by 10%, you get **45.9009, 66.0334, 88.9248**, and if you desaturate by 10%, it is **49.3737, 67.8237, 89.0877**.

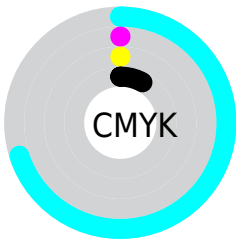
Distribution



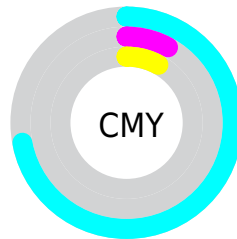
- Red (28%)
- Green (92%)
- Blue (92%)



- Red (28%)
- Yellow (60%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (72%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3023, 66.7544, 88.9891 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 47.3023, 66.7544, 88.9891 by changing the saturation by 10% instead.

47.3023, 66.7544,
88.9891

47.3023, 66.7544,
88.9891

366.6487,
449.0701, 545.2219

33.4836, 48.8851,
66.5735

85.3807, 114.5684,
147.8566

22.6582, 34.5283,
48.2787

110.3711,
145.2819, 185.1457

14.4606, 23.2998,
33.6861

139.8162,
181.0455, 228.2296

8.5256, 14.8150,
22.3771

174.0813,
222.2437, 277.5270

4.4877, 8.6897,
13.9333

213.5317,
269.2609, 333.4564

1.9816, 4.5393,
7.9361

258.5329,

0.6236, 1.9796,

322.4814, 396.4363

3.9669

309.4501,
382.2897, 466.8853

■ 0.0000, 0.5956,
1.6072

■ 0.0000, 0.0000,
0.2959

■ 47.3023, 66.7544,
88.9891

■ 47.3023, 66.7544,
88.9891

■ 45.9009, 66.0334,
88.9248

■ 49.3737, 67.8237,
89.0877

■ 45.0818, 65.6112,
88.8863


■ 52.1779, 69.2693,
89.2192


■ 44.7112, 65.4201,
88.8688

■ 55.7769, 71.1247,
89.3878


■ 44.7048, 65.4168,
88.8685


■ 60.2248, 73.4176,
89.5961

 65.5708, 76.1736,
89.8465

 71.8604, 79.4160,
90.1411

 79.1360, 83.1667,
90.4818

 85.9453, 86.6770,
90.8006

 85.9453, 86.6770,
90.8008

Harmonies

Analogous

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



47.0734, 66.7544, 61.1209



47.3023, 66.7544, 88.9891



51.5639, 66.7544, 118.5146

Triad

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



47.3023, 66.7544, 88.9891



77.9013, 66.7544, 115.5172



67.8176, 66.7544, 32.3132

Complementary

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



47.3023, 66.7544, 88.9891



37.6538, 22.6258, 8.3461

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.



77.0309, 66.7544, 40.5169



47.3023, 66.7544, 88.9891



83.2378, 66.7544, 85.6210

Square

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



47.3023, 66.7544, 88.9891



68.9115, 66.7544, 136.2884



82.9040, 66.7544, 58.5035



58.2813, 66.7544, 32.7806

Rectangle

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



47.3023, 66.7544, 88.9891



56.3888, 66.7544, 133.1041



82.9040, 66.7544, 58.5035



71.0732, 66.7544, 34.0377

Sweetspot

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



47.3043, 66.7569, 88.9907



78.0185, 91.2199, 108.1024



33.6514, 61.3194, 16.0254



16.3020, 19.3201, 23.1198



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.



47.3043, 66.7569, 88.9907



54.7161, 79.2072, 107.0104



29.4402, 31.0283, 83.0373



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4577



1.9536, 2.8588, 3.8836

Inverse Universe

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



37.6538, 22.6258, 8.3461



42.4228, 22.9908, 4.2815



46.3499, 40.0181, 11.2445



15.0655, 15.0541, 15.6304



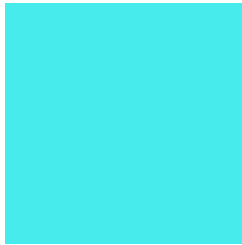
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 47.3023, 66.7544, 88.9891 looks on a white background.

Color Contrast Check

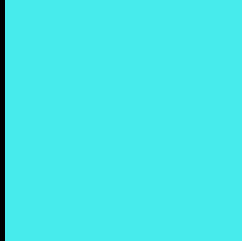
Large Text (above 18pt) WCAG AA × Fail

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 47.3023, 66.7544, 88.9891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

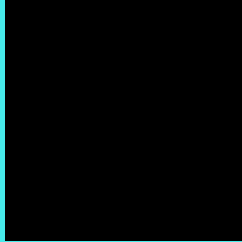
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

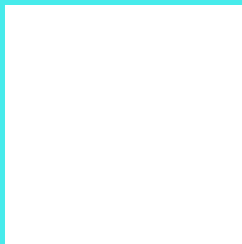
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3023, 66.7544, 88.9891

Background



This preview shows how black text looks on a background with the XYZ color 47.3023, 66.7544, 88.9891.



This preview shows how white text looks on a background with the XYZ color 47.3023, 66.7544,

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

47.3023, 66.7544, 88.9891

Protanopia

63.4054, 65.4066, 76.9931

Deuteranopia

66.8619, 65.3989, 92.3183



Tritanopia

49.6625, 66.4276, 101.4711

Trichromacy



Original Color

47.3023, 66.7544, 88.9891



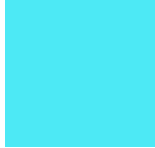
Protanomaly

53.6201, 63.6763, 80.6988



Deuteranomaly

55.9099, 63.8570, 91.0402



Tritanomaly

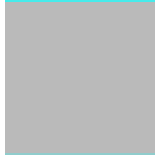
48.6809, 66.4482, 96.6462

Monochromacy



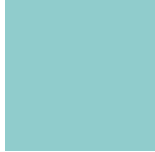
Original Color

47.3023, 66.7544, 88.9891



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.9935, 53.4747, 65.1297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3023, 66.7544, 88.9891 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(71, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 235)  
}
```

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(71, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.3023, 66.7544, 88.9891 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(71, 235, 235) }
```


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

```
.border{ border-color:rgb(71, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3023, 66.7544, 88.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 235) }
```

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

```
.background{ background-color: rgb(71, 235,  
235) }
```

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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