

Converting Colors

XYZ(46.7526, 68.4160, 92.9311)

Have a look what the booklet for
XYZ(46.7526, 68.4160, 92.9311)
contains.

XYZ(46.8883, 68.6114, 93.2101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8883, 68.6114,
93.2101)**

Conversions

Conversions Part 1

Format	Color
Hex	00F0F0
RGB	0, 240, 240
RGB Percent	0%, 94%, 94%
CMY	0.9997, 0.0588, 0.0588
CMYK	1.00, 0.00, 0.00, 0.06
HSL	180°, 100%, 47%
HSV	180°, 100%, 94%
XYZ	46.8883, 68.6114, 93.2101
YIQ	168.2400, -143.0400, -50.8800

Conversions

Conversions Part 2

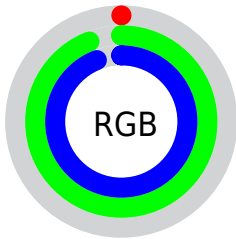
Format	Color
RYB	0, 120, 240
Decimal	61680
CIELab	86.31, -45.92, -13.50
CIELCh	86, 47.867, 196.386
Yxy	68.6114, 0.2247, 0.3287
Android (android.graphics.Color)	4278251760 (0xFF00F0F0)
YUV	168.2400, 35.3777, -147.5465
Hunter-Lab	82.8320, -43.9134, -8.7361

Details

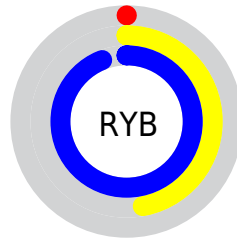
The XYZ color **46.8883, 68.6114, 93.2101** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **35.9375, 18.5276, 1.6842**, and the grayscale version is **37.2308, 39.1697, 42.6558**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **25.5852, 37.3277, 51.2039** is the 20% darker color. If you saturate the color by 10%, you get **46.8895, 68.6135, 93.2117**, and if you desaturate by 10%, it is **47.2679, 68.8086, 93.2296**.

Distribution



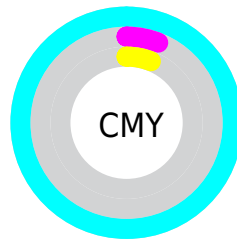
- Red (0%)
- Green (94%)
- Blue (94%)



- Red (0%)
- Yellow (47%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (6%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8883, 68.6114, 93.2101 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 46.8883, 68.6114, 93.2101 by changing the saturation by 10% instead.

46.8883, 68.6114,
93.2101

46.8883, 68.6114,
93.2101

365.0249,
455.6592, 559.2561

33.1549, 50.3953,
70.0575

84.7666, 117.2264,
153.7637

22.4050, 35.7276,
51.0963

109.6423,
148.3940, 192.0017

14.2730, 24.2239,
35.9080

138.9628,
184.6477, 236.1054

8.3938, 15.4998,
24.0740

173.0934,
226.3716, 286.4931

4.4019, 9.1709,
15.1758

212.3996,
273.9504, 343.5835

1.9319, 4.8528,
8.7949

257.2467,

0.5953, 2.1612,

327.7683, 407.7951

4.5127

308.0000,
388.2098, 479.5465

■ 0.0000, 0.6987,
1.9106

■ 0.0000, 0.0000,
0.4995

■ 46.8883, 68.6114,
93.2101

■ 46.8883, 68.6114,
93.2101

■ 46.8895, 68.6135,
93.2117

■ 47.2679, 68.8086,
93.2296

■ 48.1119, 69.2437,
93.2692

■ 49.5676, 69.9941,
93.3374

■ 51.7213, 71.1044,
93.4384

■ 54.6457, 72.6120,
93.5754

■ 58.4044, 74.5496,
93.7514

■ 63.0542, 76.9467,
93.9691

■ 68.6471, 79.8299,
94.2310

■ 75.2311, 83.2241,
94.5393

Harmonies

Analogous

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



46.6752, 68.6114, 61.2865



46.8883, 68.6114, 93.2101



51.6346, 68.6114, 127.9544

Triad

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



46.8883, 68.6114, 93.2101



81.8274, 68.6114, 124.9986



70.3400, 68.6114, 29.8170

Complementary

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



46.8883, 68.6114, 93.2101



35.9375, 18.5276, 1.6842

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.



80.9850, 68.6114, 38.7590



46.8883, 68.6114, 93.2101



88.1054, 68.6114, 89.9543

Square

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



46.8883, 68.6114, 93.2101



71.3891, 68.6114, 149.5592



87.7808, 68.6114, 58.8291



59.4039, 68.6114, 30.2318

Rectangle

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



46.8883, 68.6114, 93.2101



57.0715, 68.6114, 145.4329



87.7808, 68.6114, 58.8291



74.0944, 68.6114, 31.6891

Sweetspot

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



46.8904, 68.6139, 93.2118



72.2850, 88.2642, 107.8342



31.2124, 62.3485, 10.3915



14.9625, 18.6295, 23.0571



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.



46.8904, 68.6139, 93.2118



53.8097, 78.7399, 106.9685



22.9419, 20.7165, 85.2302



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0240



2.1353, 3.1245, 4.2447

Inverse Universe

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



35.9375, 18.5276, 1.6842



41.2400, 21.2600, 1.9301



42.1866, 31.0259, 3.7672



15.7729, 15.7589, 16.3602



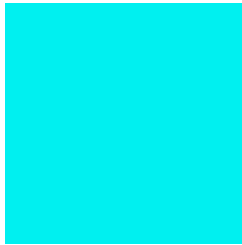
19.6715, 10.1410, 0.9206



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 46.8883, 68.6114, 93.2101 looks on a white background.

Color Contrast Check

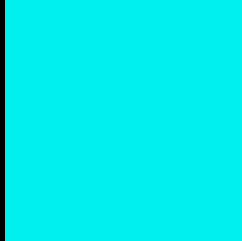
Large Text (above 18pt) WCAG AA × Fail

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 46.8883, 68.6114, 93.2101 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 46.8883, 68.6114, 93.2101

Background



This preview shows how black text looks on a background with the XYZ color 46.8883, 68.6114, 93.2101.

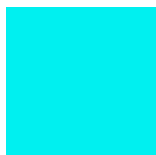


This preview shows how white text looks on a background with the XYZ color 46.8883, 68.6114,

Color Blindness Simulation

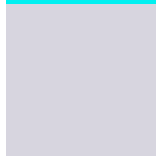
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



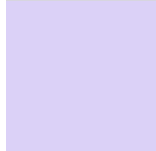
Original Color

46.8883, 68.6114, 93.2101



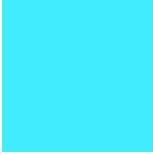
Protanopia

65.1379, 67.3633, 79.3813



Deuteranopia

68.8024, 67.3764, 97.3744



Tritanopia

50.2254, 68.3347, 105.1505

Trichromacy



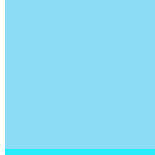
Original Color

46.8883, 68.6114, 93.2101



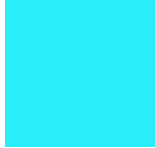
Protanomaly

50.8471, 63.7509, 83.7540



Deuteranomaly

52.5698, 63.2070, 95.0174



Tritanomaly

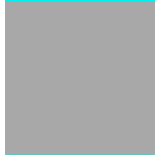
48.4540, 67.9419, 101.0028

Monochromacy



Original Color

46.8883, 68.6114, 93.2101



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0928, 45.6044, 57.9919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8883, 68.6114, 93.2101 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(0, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 240)  
}
```

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(0, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 240) }
```

Border

The CSS property to change the border of an element to XYZ 46.8883, 68.6114, 93.2101 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(0, 240, 240) }
```


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

```
.border{ border-color:rgb(0, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 240,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8883, 68.6114, 93.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 240) }
```

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

```
.background{ background-color: rgb(0, 240,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor