

# Converting Colors

XYZ(46.4916, 67.9793, 92.2796)

Have a look what the booklet for  
XYZ(46.4916, 67.9793, 92.2796)  
contains.

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# Color

**XYZ(46.5091, 67.9973,  
92.3349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05EFEF
RGB	5, 239, 239
RGB Percent	2%, 94%, 94%
CMY	0.9801, 0.0627, 0.0627
CMYK	0.98, 0.00, 0.00, 0.06
HSL	180°, 96%, 48%
HSV	180°, 98%, 94%
XYZ	46.5091, 67.9973, 92.3349
YIQ	169.0340, -139.4640, -49.6080

# Conversions

## Conversions Part 2

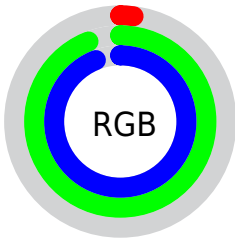
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 122, 239
Decimal	389103
CIELab	86.01, -45.67, -13.44
CIELCh	86, 47.606, 196.393
Yxy	67.9973, 0.2249, 0.3287
Android (android.graphics.Color)	4278579183 (0xFF05EFEF)
YUV	169.0340, 34.4932, -143.8578
Hunter-Lab	82.4605, -43.6288, -8.6675

# Details

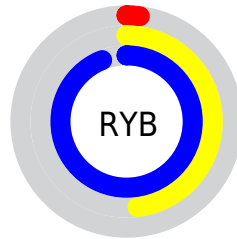
The XYZ color **46.5091, 67.9973, 92.3349** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **35.6805, 18.4724, 1.8305**, and the grayscale version is **37.6236, 39.5830, 43.1058**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **25.2752, 36.8748, 50.5852** is the 20% darker color. If you saturate the color by 10%, you get **46.4477, 67.9671, 92.3335**, and if you desaturate by 10%, it is **46.9535, 68.2279, 92.3574**.

# Distribution



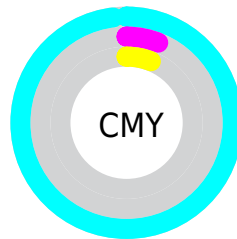
- Red (2%)
- Green (94%)
- Blue (94%)



- Red (2%)
- Yellow (48%)
- Blue (94%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (98%)
- Magenta (6%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5091, 67.9973, 92.3349 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 46.5091, 67.9973, 92.3349 by changing the saturation by 10% instead.



46.5091, 67.9973,  
92.3349

46.5091, 67.9973,  
92.3349

363.5334,  
453.4864, 556.3622

32.8541, 49.8955,  
69.3342

84.2036, 116.3483,  
152.5412

22.1734, 35.3304,  
50.5105

108.9738,  
147.3663, 190.5839

14.1017, 23.9175,  
35.4452

138.1797,  
183.4585, 234.4777

8.2736, 15.2724,  
23.7197

172.1868,  
225.0093, 284.6412

4.3238, 9.0108,  
14.9156

211.3603,  
272.4031, 341.4928

1.8869, 4.7482,  
8.6142

256.0657,

0.5692, 2.1003,

326.0243, 405.4511

4.3970

306.6683,  
386.2573, 476.9348

■ 0.0000, 0.6648,  
1.8456

■ 0.0000, 0.0000,  
0.4578

■ 46.5091, 67.9973,  
92.3349

■ 46.5091, 67.9973,  
92.3349

■ 46.4477, 67.9671,  
92.3335

■ 46.9535, 68.2279,  
92.3574

■ 47.9090, 68.7204,  
92.4022

■ 49.4896, 69.5353,  
92.4764

■ 51.7775, 70.7147,  
92.5836

■ 54.8423, 72.2947,  
92.7271

■ 58.7455, 74.3068,  
92.9099

■ 63.5421, 76.7796,  
93.1346

■ 69.2828, 79.7390,  
93.4034

■ 76.0143, 83.2092,  
93.7185

# Harmonies

## Analogous

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



46.2973, 67.9973, 60.7745



46.5091, 67.9973, 92.3349



51.2045, 67.9973, 126.6621

# Triad

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



46.5091, 67.9973, 92.3349



81.0532, 67.9973, 123.7285



69.6952, 67.9973, 29.6275

# Complementary

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



46.5091, 67.9973, 92.3349



35.6805, 18.4724, 1.8305

# 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.



80.2168, 67.9973, 38.4785



46.5091, 67.9973, 92.3349



87.2560, 67.9973, 89.1021

# Square

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



46.5091, 67.9973, 92.3349



70.7371, 67.9973, 147.9914



86.9337, 67.9973, 58.3326



58.8838, 67.9973, 30.0402



# Rectangle

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



46.5091, 67.9973, 92.3349



56.5816, 67.9973, 143.9235



86.9337, 67.9973, 58.3326



73.4062, 67.9973, 31.4808

# Sweetspot

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



46.5112, 67.9998, 92.3365



72.8777, 88.5698, 107.8619



31.0075, 61.8040, 10.4406



15.0738, 18.6869, 23.0623



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.



46.5112, 67.9998, 92.3365



53.8097, 78.7399, 106.9683



23.0963, 21.1696, 84.5329



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0239



2.1353, 3.1245, 4.2447



# Inverse Universe

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



35.6805, 18.4724, 1.8305



41.2400, 21.2600, 1.9301



42.1199, 31.3513, 3.9769



15.7729, 15.7589, 16.3602



19.6715, 10.1410, 0.9207

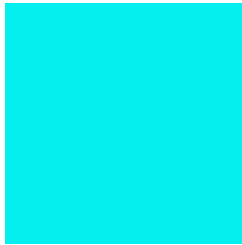


1.6365, 0.8436, 0.0766



# Previews

## White Background



This preview shows how the XYZ color 46.5091, 67.9973, 92.3349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

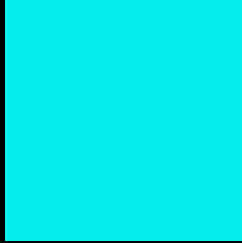
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5091, 67.9973, 92.3349 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 46.5091, 67.9973, 92.3349

## Background



This preview shows how black text looks on a background with the XYZ color 46.5091, 67.9973, 92.3349.



This preview shows how white text looks on a background with the XYZ color 46.5091, 67.9973,



# 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

46.5091, 67.9973, 92.3349

### Protanopia

64.4599, 66.6570, 78.5759

### Deuteranopia

68.1039, 66.6710, 96.4681



## Tritanopia

49.5137, 67.9678, 105.1172

# Trichromacy



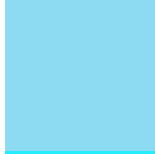
## Original Color

46.5091, 67.9973, 92.3349



## Protanomaly

50.6061, 63.2473, 82.9395



## Deuteranomaly

52.4937, 62.7968, 94.1483



## Tritanomaly

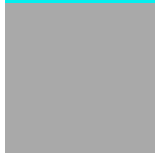
48.1106, 67.7830, 100.1703

# Monochromacy



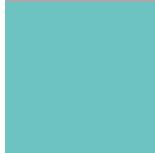
## Original Color

46.5091, 67.9973, 92.3349



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

35.3361, 45.7298, 58.0033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5091, 67.9973, 92.3349 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(5, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(5, 239, 239)  
}
```

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(5, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 239, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5091, 67.9973, 92.3349 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(5, 239, 239) }
```



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

```
.border{ border-color:rgb(5, 239, 239) }
```

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

Here you see how a box with a 4 pixel rgb(5, 239, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(5, 239,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5091, 67.9973, 92.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 239, 239) }
```

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

```
.background{ background-color: rgb(5, 239,  
239) }
```

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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