

# Converting Colors

XYZ(46.3638, 59.0034, 87.5424)

Have a look what the booklet for  
XYZ(46.3638, 59.0034, 87.5424)  
contains.

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# Color

**XYZ(46.3638, 59.0034,  
87.5424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FD9EB
RGB	111, 217, 235
RGB Percent	44%, 85%, 92%
CMY	0.5647, 0.1490, 0.0784
CMYK	0.53, 0.08, 0.00, 0.08
HSL	189°, 76%, 68%
HSV	189°, 53%, 92%
XYZ	46.3638, 59.0034, 87.5424
YIQ	187.3580, -68.9540, -16.8740

# Conversions

## Conversions Part 2

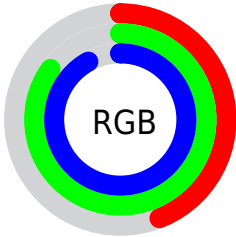
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">111, 168, 235</a>
Decimal	<a href="#">7330283</a>
CIELab	<a href="#">81.29, -25.77, -18.23</a>
CIELCh	<a href="#">81, 31.566, 215.266</a>
Yxy	<a href="#">59.0034, 0.2403, 0.3059</a>
Android (android.graphics.Color)	<a href="#">4285520363 (0xFF6FD9EB)</a>
YUV	<a href="#">187.3580, 23.4875, -66.9660</a>
Hunter-Lab	<a href="#">76.8137, -26.6835, -13.8016</a>

# Details

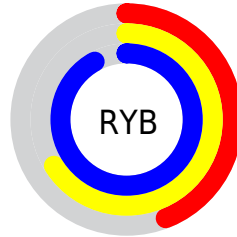
The XYZ color **46.3638, 59.0034, 87.5424** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.9817, 34.5117, 19.3312**, and the grayscale version is **47.3373, 49.8025, 54.2349**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **22.0957, 29.6308, 47.2026** is the 20% darker color. If you saturate the color by 10%, you get **42.9170, 55.9360, 87.1331**, and if you desaturate by 10%, it is **50.6101, 62.5125, 87.9970**.

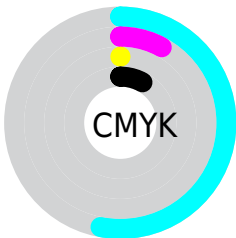
# Distribution



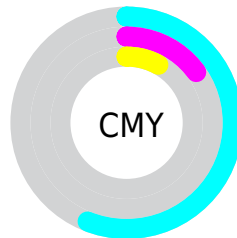
- Red (44%)
- Green (85%)
- Blue (92%)



- Red (44%)
- Yellow (66%)
- Blue (92%)



- Cyan (53%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)



- Cyan (56%)
- Magenta (15%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3638, 59.0034, 87.5424 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 46.3638, 59.0034, 87.5424 by changing the saturation by 10% instead.



46.3638, 59.0034,  
87.5424

46.3638, 59.0034,  
87.5424

362.9608,  
420.9145, 540.3660

32.7388, 42.6159,  
65.3820

83.9877, 103.3826,  
145.8254

22.0847, 29.5838,  
47.3176

108.7174,  
132.1431, 182.7851

14.0361, 19.5229,  
32.9306

137.8794,  
165.7966, 225.5150

8.2277, 12.0487,  
21.8026

171.8390,  
204.7276, 274.4336

4.2940, 6.7769,  
13.5150

210.9615,  
249.3205, 329.9595

1.8698, 3.3230,  
7.6493

255.6125,

0.5592, 1.3026,

299.9597, 392.5111

3.7868

306.1571,  
357.0296, 462.5071

■ 0.0000, 0.1432,  
1.5091

■ 0.0000, 0.0000,  
0.2247

■ 46.3638, 59.0034,  
87.5424

■ 46.3638, 59.0034,  
87.5424

■ 42.9170, 55.9360,  
87.1331

■ 50.6101, 62.5125,  
87.9970

■ 40.2017, 53.2712,  
86.7618


■ 55.7061, 66.4855,  
88.4953


■ 38.1477, 50.9740,  
86.4267


■ 61.7044, 70.9510,  
89.0410


■ 36.6678, 48.9993,  
86.1235


■ 68.6516, 75.9330,  
89.6365


 35.8569, 47.7208,  
85.9195

 76.5910, 81.4542,  
90.2838

 85.5632, 87.5356,  
90.9847

 87.6556, 90.0982,  
91.3691

 88.6741, 92.1353,  
91.7086

 89.7117, 94.2104,  
92.0544

# Harmonies

## Analogous

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



44.3923, 59.0034, 67.6314



46.3638, 59.0034, 87.5424



50.9476, 59.0034, 103.1360

# Triad

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



46.3638, 59.0034, 87.5424



68.3871, 59.0034, 80.6452



54.9266, 59.0034, 34.4745

# Complementary

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



46.3638, 59.0034, 87.5424



44.9817, 34.5117, 19.3312

# 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.



61.5481, 59.0034, 36.6133



46.3638, 59.0034, 87.5424



69.6599, 59.0034, 60.9730

# Square

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



46.3638, 59.0034, 87.5424



63.7150, 59.0034, 98.6390



67.0690, 59.0034, 45.4972



49.0824, 59.0034, 38.9495

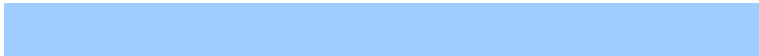


# Rectangle

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



46.3638, 59.0034, 87.5424



55.0424, 59.0034, 107.5906



67.0690, 59.0034, 45.4972



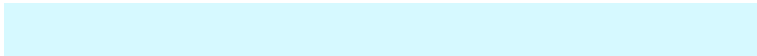
57.1325, 59.0034, 34.4551

# Sweetspot

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



46.3656, 59.0056, 87.5438



79.7397, 89.3458, 107.6505



40.1310, 64.3437, 30.5677



16.6942, 18.8565, 23.0097



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.



46.3656, 59.0056, 87.5438



51.4692, 67.1524, 104.8567



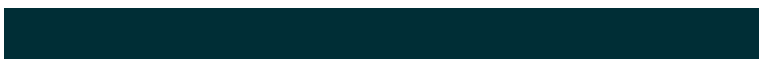
33.5195, 33.3134, 83.2618



15.3205, 16.7275, 19.3435



20.0288, 26.7047, 47.8419



1.6236, 2.1988, 3.7737



# Inverse Universe

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



52.4713, 34.0425, 69.4533



59.7942, 35.1359, 79.7375



55.4442, 55.4366, 22.8187



15.6153, 15.2740, 18.5256



24.9649, 12.1887, 31.9463

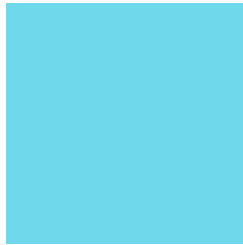


1.9860, 0.9674, 2.6439



# Previews

## White Background



This preview shows how the XYZ color 46.3638, 59.0034, 87.5424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

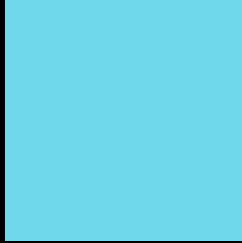
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.3638, 59.0034, 87.5424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

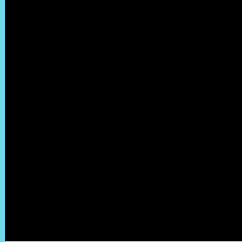
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 46.3638, 59.0034, 87.5424

## Background



This preview shows how black text looks on a background with the XYZ color 46.3638, 59.0034, 87.5424.



This preview shows how white text looks on a background with the XYZ color 46.3638, 59.0034,



# 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

46.3638, 59.0034, 87.5424

### Protanopia

57.1667, 58.2344, 78.7484

### Deuteranopia

59.5555, 58.1886, 90.5307



## Tritanopia

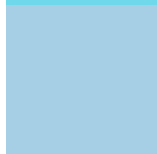
46.3638, 59.0034, 87.5424

# Trichromacy



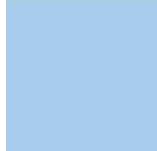
## Original Color

46.3638, 59.0034, 87.5424



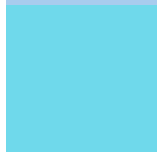
## Protanomaly

51.8008, 57.8510, 81.8350



## Deuteranomaly

53.1739, 57.6836, 89.2204



## Tritanomaly

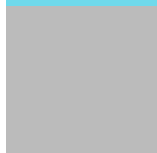
46.3638, 59.0034, 87.5424

# Monochromacy



## Original Color

46.3638, 59.0034, 87.5424



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

45.3912, 52.1187, 64.7943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3638, 59.0034, 87.5424 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(111, 217, 235)` looks like.

```
.text, #text, p{  
    color:rgb(111, 217, 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(111, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 217, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3638, 59.0034, 87.5424 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(111, 217, 235) }
```



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

```
.border{ border-color:rgb(111, 217, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 217, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 217, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 217, 235);  
box-shadow:4px 4px 4px 4px rgb(111, 217,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3638, 59.0034, 87.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 217, 235) }
```

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

```
.background{ background-color: rgb(111,  
217, 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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