

# Converting Colors

XYZ(45.2449, 54.0753, 84.7931)

Have a look what the booklet for  
XYZ(45.2449, 54.0753, 84.7931)  
contains.

<b>XYZ(45.2917, 54.0579, 85.1379)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(45.2917, 54.0579,  
85.1379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FCDE9
RGB	127, 205, 233
RGB Percent	50%, 80%, 91%
CMY	0.5019, 0.1961, 0.0863
CMYK	0.45, 0.12, 0.00, 0.09
HSL	196°, 71%, 71%
HSV	196°, 45%, 91%
XYZ	45.2917, 54.0579, 85.1379
YIQ	184.8700, -55.4760, -7.8280

# Conversions

## Conversions Part 2

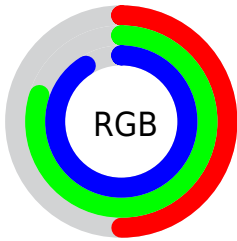
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 172, 233
Decimal	8375785
CIELab	78.50, -16.77, -21.33
CIELCh	78, 27.134, 231.826
Yxy	54.0579, 0.2455, 0.2930
Android (android.graphics.Color)	4286565865 (0xFF7FCDE9)
YUV	184.8700, 23.7281, -50.7520
Hunter-Lab	73.5241, -18.7090, -17.1886

# Details

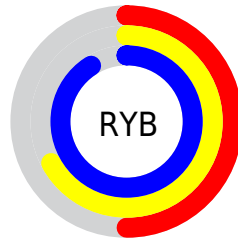
The XYZ color **45.2917, 54.0579, 85.1379** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.1575, 42.2998, 25.6540**, and the grayscale version is **45.9377, 48.3301, 52.6315**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **21.4567, 26.5728, 45.5931** is the 20% darker color. If you saturate the color by 10%, you get **40.7715, 49.5861, 84.5140**, and if you desaturate by 10%, it is **50.6755, 59.0633, 85.8213**.

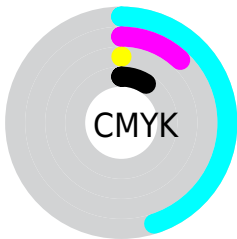
# Distribution



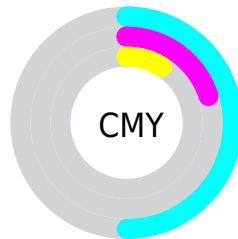
- Red (50%)
- Green (80%)
- Blue (91%)



- Red (50%)
- Yellow (67%)
- Blue (91%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (20%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2917, 54.0579, 85.1379 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 45.2917, 54.0579, 85.1379 by changing the saturation by 10% instead.



■ 45.2917, 54.0579,  
85.1379

■ 45.2917, 54.0579,  
85.1379

358.7175,  
402.3308, 532.2407

■ 31.8895, 38.6480,  
63.4045

■ 82.3923, 96.1593,  
142.4417

■ 21.4323, 26.4860,  
45.7254

■ 106.8215,  
123.6195, 178.8492

■ 13.5546, 17.1875,  
31.6821

■ 135.6570,  
155.8652, 220.9852

■ 7.8912, 10.3683,  
20.8560

169.2643,  
193.2809, 269.2681

■ 4.0766, 5.6438,  
12.8286

208.0086,  
236.2509, 324.1166

■ 1.7456, 2.6297,  
7.1813

252.2553,

■ 0.4845, 0.9416,

285.1596, 385.9492

3.4956

302.3698,  
340.3914, 455.1844

■ 0.0000, 0.0000,  
1.3529

■ 0.0000, 0.0000,  
0.1046

■ 45.2917, 54.0579,  
85.1379

■ 45.2917, 54.0579,  
85.1379

■ 40.7715, 49.5861,  
84.5140

■ 50.6755, 59.0633,  
85.8213

■ 37.0532, 45.6114,  
83.9428

■ 56.9693, 64.6235,  
86.5628

■ 34.0744, 42.1020,  
83.4224

■ 64.2218, 70.7659,  
87.3661

■ 31.7606, 39.0185,  
82.9491

■ 72.4770, 77.5140,  
88.2335

■ 30.0205, 36.3126,  
82.5186

■ 81.7759, 84.8898,  
89.1671

■ 29.3575, 35.1819,  
82.3353

■ 87.6795, 90.6060,  
89.9593

■ 89.5416, 94.3302,  
90.5800

■ 91.4659, 98.1788,  
91.2214

■ 91.7082, 98.6633,  
91.3022

# Harmonies

## Analogous

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



42.4253, 54.0579, 70.4847



45.2917, 54.0579, 85.1379



49.9343, 54.0579, 93.0318

# Triad

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



45.2917, 54.0579, 85.1379



62.2296, 54.0579, 63.1407



47.6564, 54.0579, 35.5630

# Complementary

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



45.2917, 54.0579, 85.1379



49.1575, 42.2998, 25.6540

# 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.



52.8542, 54.0579, 34.2854



45.2917, 54.0579, 85.1379



61.5145, 54.0579, 48.5891

# Square

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



45.2917, 54.0579, 85.1379



59.8831, 54.0579, 78.9706



57.9917, 54.0579, 38.6356



43.7233, 54.0579, 42.4908



# Rectangle

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



45.2917, 54.0579, 85.1379



53.5138, 54.0579, 92.5909



57.9917, 54.0579, 38.6356



49.3045, 54.0579, 34.5129

# Sweetspot

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



45.2934, 54.0600, 85.1392



80.1790, 87.9770, 107.3631



43.6838, 65.1075, 40.6202



16.7184, 18.4627, 22.9324



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

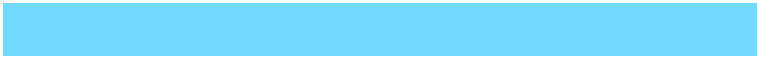


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.2934, 54.0600, 85.1392



50.1470, 60.9672, 103.7326



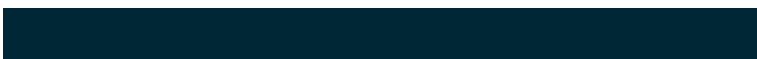
34.9351, 33.3434, 81.6864



15.1615, 16.4095, 19.2905



16.7644, 20.1757, 46.7537



1.3942, 1.7399, 3.6972



# Inverse Universe

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



52.2145, 36.9117, 62.1325



59.9912, 38.5241, 70.5725



59.6282, 63.2411, 29.1442



15.5351, 15.2419, 18.1030



23.3172, 11.5296, 23.2694

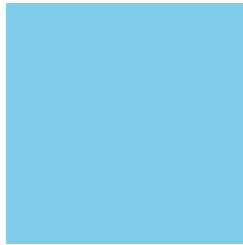


1.8702, 0.9211, 2.0341



# Previews

## White Background



This preview shows how the XYZ color 45.2917, 54.0579, 85.1379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

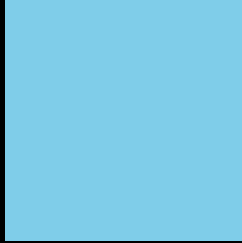
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2917, 54.0579, 85.1379 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 45.2917, 54.0579, 85.1379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2917, 54.0579, 85.1379.



This preview shows how white text looks on a background with the XYZ color 45.2917, 54.0579,



# 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

45.2917, 54.0579, 85.1379

### Protanopia

52.7977, 53.6459, 78.0930

### Deuteranopia

54.5731, 53.3985, 86.7875



## Tritanopia

43.9443, 54.2384, 77.9650

# Trichromacy



## Original Color

45.2917, 54.0579, 85.1379

## Protanomaly

49.3484, 53.4779, 80.3944

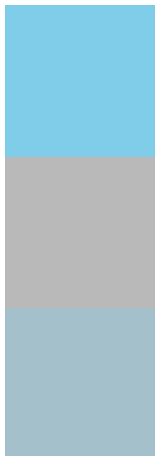
## Deuteranomaly

50.4469, 53.2439, 86.2155

## Tritanomaly

44.3939, 54.0486, 80.7657

# Monochromacy



## Original Color

45.2917, 54.0579, 85.1379

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.8201, 49.8561, 63.1380

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2917, 54.0579, 85.1379 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(127, 205, 233)` looks like.

```
.text, #text, p{  
    color:rgb(127, 205, 233)  
}
```

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(127, 205, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 205, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2917, 54.0579, 85.1379 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(127, 205, 233) }
```



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

```
.border{ border-color:rgb(127, 205, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 205, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 205, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 205, 233); box-shadow:4px 4px 4px 4px rgb(127, 205, 233) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2917, 54.0579, 85.1379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 205, 233) }
```

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

```
.background{ background-color: rgb(127,  
205, 233) }
```

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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