

# Converting Colors

XYZ(43.6676, 54.2294, 88.2866)

Have a look what the booklet for  
XYZ(43.6676, 54.2294, 88.2866)  
contains.

<b>XYZ(43.6676, 54.2294, 88.2866)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.6676, 54.2294,  
88.2866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69D0ED
RGB	105, 208, 237
RGB Percent	41%, 82%, 93%
CMY	0.5882, 0.1843, 0.0706
CMYK	0.56, 0.12, 0.00, 0.07
HSL	193°, 79%, 67%
HSV	193°, 56%, 93%
XYZ	43.6676, 54.2294, 88.2866
YIQ	180.5090, -70.6970, -12.8170

# Conversions

## Conversions Part 2

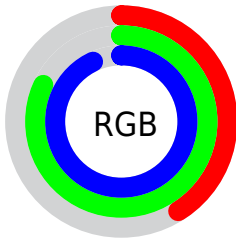
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 163, 237</a>
Decimal	<a href="#">6934765</a>
CIELab	<a href="#">78.60, -21.93, -23.40</a>
CIELCh	<a href="#">79, 32.069, 226.867</a>
Yxy	<a href="#">54.2294, 0.2345, 0.2913</a>
Android (android.graphics.Color)	<a href="#">4285124845 (0xFF69D0ED)</a>
YUV	<a href="#">180.5090, 27.8501, -66.2214</a>
Hunter-Lab	<a href="#">73.6406, -23.0237, -19.5334</a>

# Details

The XYZ color **43.6676, 54.2294, 88.2866** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.0013, 36.0762, 17.9051**, and the grayscale version is **43.5397, 45.8072, 49.8840**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **20.3589, 26.4420, 47.7468** is the 20% darker color. If you saturate the color by 10%, you get **40.0138, 50.4932, 87.7590**, and if you desaturate by 10%, it is **48.1420, 58.4528, 88.8670**.

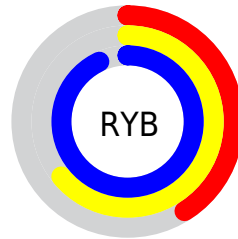
# Distribution



Red (41%)

Green (82%)

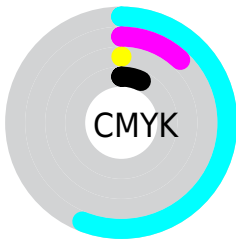
Blue (93%)



Red (41%)

Yellow (64%)

Blue (93%)

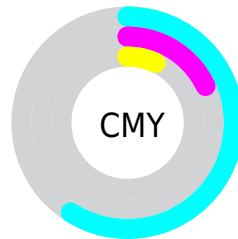


Cyan (56%)

Magenta (12%)

Yellow (0%)

Black (7%)



Cyan (59%)

Magenta (18%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.6676, 54.2294, 88.2866 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 43.6676, 54.2294, 88.2866 by changing the saturation by 10% instead.



■ 43.6676, 54.2294,  
88.2866

■ 43.6676, 54.2294,  
88.2866

352.2253,  
402.9842, 542.8669

■ 30.6061, 38.7851,  
65.9948

■ 79.9668, 96.4110,  
146.8707

■ 20.4494, 26.5926,  
47.8117

■ 103.9351,  
123.9171, 184.0001

■ 12.8323, 17.2675,  
33.3189

■ 132.2698,  
156.2125, 226.9125

■ 7.3894, 10.4254,  
22.0977

165.3361,  
193.6817, 276.0262

■ 3.7553, 5.6819,  
13.7297

203.4995,  
236.7091, 331.7601

■ 1.5646, 2.6526,  
7.7963

247.1252,

■ 0.3692, 0.9532,

285.6790, 394.5324

3.8790

296.5787,  
340.9759, 464.7619

■ 0.0000, 0.0000,  
1.5592

■ 0.0000, 0.0000,  
0.2615

■ 43.6676, 54.2294,  
88.2866

■ 43.6676, 54.2294,  
88.2866

■ 40.0138, 50.4932,  
87.7590

■ 48.1420, 58.4528,  
88.8670

■ 37.1088, 47.2031,  
87.2771


■ 53.4909, 63.1883,  
89.4991


■ 34.8767, 44.3207,  
86.8384


■ 59.7694, 68.4661,  
90.1869


■ 33.2218, 41.7959,  
86.4382


■ 67.0264, 74.3119,  
90.9328


 32.6215, 40.7849,  
86.2747

 75.3074, 80.7497,  
91.7389

 84.6549, 87.8020,  
92.6075

 89.0126, 92.3471,  
93.2551

 90.6053, 95.5327,  
93.7860

 92.2428, 98.8075,  
94.3318

# Harmonies

## Analogous

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



40.7589, 54.2294, 69.7403



43.6676, 54.2294, 88.2866



48.8292, 54.2294, 99.8757

# Triad

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



43.6676, 54.2294, 88.2866



64.3174, 54.2294, 67.3192



48.0946, 54.2294, 31.5932

# Complementary

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



43.6676, 54.2294, 88.2866



46.0013, 36.0762, 17.9051

# 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.



54.3564, 54.2294, 31.2076



43.6676, 54.2294, 88.2866



64.0800, 54.2294, 49.5060

# Square

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



43.6676, 54.2294, 88.2866



60.9379, 54.2294, 86.2046



60.3135, 54.2294, 37.1012



43.1678, 54.2294, 38.2911



# Rectangle

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



43.6676, 54.2294, 88.2866



53.0113, 54.2294, 100.8171



60.3135, 54.2294, 37.1012



50.1029, 54.2294, 30.7774

# Sweetspot

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



43.6693, 54.2314, 88.2879



77.8973, 86.7585, 107.2482



40.3866, 65.2830, 32.8824



16.2899, 18.2642, 22.9167



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.



43.6693, 54.2314, 88.2879



46.6527, 58.9779, 103.5328



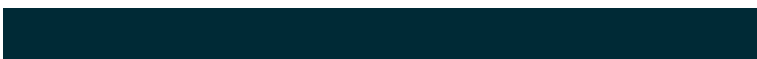
30.8460, 28.5848, 84.0135



15.2206, 16.5277, 19.3102



17.9111, 22.4692, 47.1359



1.4757, 1.9029, 3.7244



# Inverse Universe

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



51.3633, 32.6634, 63.2741



57.0070, 32.6580, 69.2627



58.0380, 60.1496, 21.9174



15.5649, 15.2538, 18.2601



23.8960, 11.7611, 26.3173

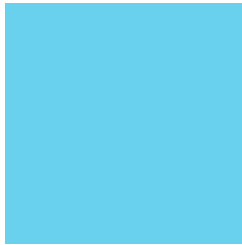


1.9114, 0.9375, 2.2506



# Previews

## White Background



This preview shows how the XYZ color 43.6676, 54.2294, 88.2866 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

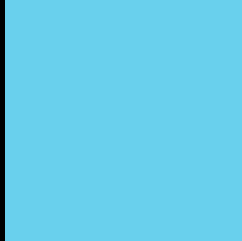
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.6676, 54.2294, 88.2866 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 43.6676, 54.2294, 88.2866**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.6676, 54.2294, 88.2866.



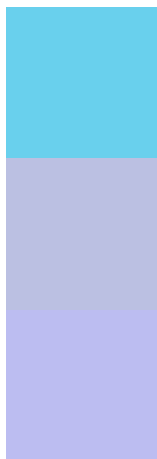
This preview shows how white text looks on a background with the XYZ color 43.6676, 54.2294,



# 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

43.6676, 54.2294, 88.2866

### Protanopia

53.0706, 53.7551, 79.5301

### Deuteranopia

54.8138, 53.4374, 90.6445



## Tritanopia

42.2785, 54.4059, 80.9461

# Trichromacy



**Original Color**

43.6676, 54.2294, 88.2866

**Protanomaly**

48.3816, 53.2694, 82.5950

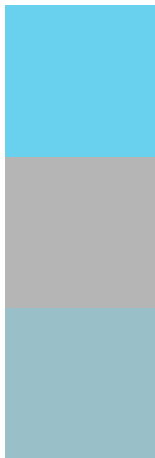
**Deuteranomaly**

49.5687, 53.0402, 90.0633

**Tritanomaly**

42.7038, 54.1952, 83.8113

# Monochromacy



**Original Color**

43.6676, 54.2294, 88.2866

**Achromatopsia**

43.9204, 46.2077, 50.3202

**Achromatomaly**

42.3103, 48.2510, 62.3417

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.6676, 54.2294, 88.2866 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(105, 208, 237)` looks like.

```
.text, #text, p{  
    color:rgb(105, 208, 237)  
}
```

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(105, 208, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 208, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 43.6676, 54.2294, 88.2866 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(105, 208, 237) }
```



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

```
.border{ border-color:rgb(105, 208, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 208, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 208, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 208, 237);  
box-shadow:4px 4px 4px 4px rgb(105, 208,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.6676, 54.2294, 88.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 208, 237) }
```

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

```
.background{ background-color: rgb(105,  
208, 237) }
```

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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