

Converting Colors

XYZ(41.9274, 53.5140, 87.4775)

Have a look what the booklet for
XYZ(41.9274, 53.5140, 87.4775)
contains.

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Color

**XYZ(41.8160, 53.2917,
87.4393)**

Conversions

Conversions Part 1

Format	Color
Hex	59D0EC
RGB	89, 208, 236
RGB Percent	35%, 82%, 93%
CMY	0.6509, 0.1843, 0.0745
CMYK	0.62, 0.12, 0.00, 0.07
HSL	191°, 79%, 64%
HSV	191°, 62%, 93%
XYZ	41.8160, 53.2917, 87.4393
YIQ	175.6110, -79.9120, -16.5200

Conversions

Conversions Part 2

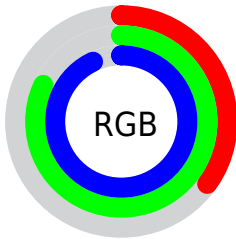
Format	Color
R_{YB}	89, 155, 236
Decimal	5886188
CIE _{Lab}	78.05, -25.09, -23.75
CIE _{LCh}	78, 34.551, 223.424
Yxy	53.2917, 0.2291, 0.2919
Android (android.graphics.Color)	4284076268 (0xFF59D0EC)
YUV	175.6110, 29.7718, -75.9578
Hunter-Lab	73.0012, -25.5050, -19.9155

Details

The XYZ color **41.8160, 53.2917, 87.4393** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **42.7580, 31.2785, 13.2367**, and the grayscale version is **40.9461, 43.0785, 46.9125**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **19.6295, 26.0778, 47.1789** is the 20% darker color. If you saturate the color by 10%, you get **38.8236, 50.1461, 86.9909**, and if you desaturate by 10%, it is **45.5685, 56.8774, 87.9346**.

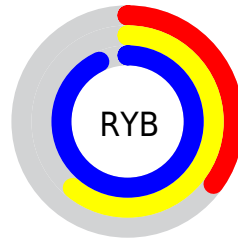
Distribution



Red (35%)

Green (82%)

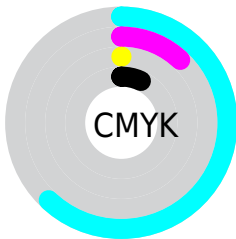
Blue (93%)



Red (35%)

Yellow (61%)

Blue (93%)

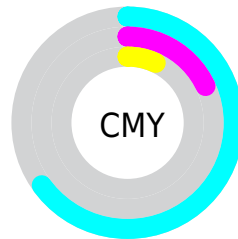


Cyan (62%)

Magenta (12%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (18%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8160, 53.2917, 87.4393 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 41.8160, 53.2917, 87.4393 by changing the saturation by 10% instead.

41.8160, 53.2917,
87.4393

41.8160, 53.2917,
87.4393

344.7242,
399.4033, 540.0190

29.1477, 38.0357,
65.2971

77.1880, 95.0335,
145.6806

19.3374, 26.0104,
47.2492

100.6224,
122.2880, 182.6167

12.0198, 16.8314,
32.8769

128.3762,
154.3108, 225.3213

6.8295, 10.1144,
21.7618

160.8149,
191.4864, 274.2128

3.4011, 5.4749,
13.4854

198.3036,
234.1990, 329.7097

1.3692, 2.5285,
7.6290

241.2079,

0.2341, 0.8908,

282.8331, 392.2307

3.7741

289.8929,
337.7730, 462.1943

■ 0.0000, 0.0000,
1.5023

■ 0.0000, 0.0000,
0.2196

■ 41.8160, 53.2917,
87.4393

■ 41.8160, 53.2917,
87.4393

■ 38.8236, 50.1461,
86.9909

■ 45.5685, 56.8774,
87.9346

■ 36.5138, 47.3971,
86.5820


■ 50.1388, 60.9302,
88.4760


■ 34.8010, 45.0011,
86.2098


■ 55.5851, 65.4813,
89.0674


■ 33.7821, 43.3394,
85.9427


■ 61.9582, 70.5575,
89.7113

 69.3053, 76.1834,
90.4100

 77.6703, 82.3820,
91.1656

 87.0941, 89.1746,
91.9800

 88.7205, 91.9962,
92.4389

 90.0894, 94.7341,
92.8952

Harmonies

Analogous

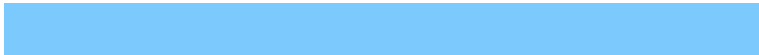
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0701, 53.2917, 67.0699



41.8160, 53.2917, 87.4393



47.0465, 53.2917, 101.3307

Triad

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



41.8160, 53.2917, 87.4393



64.1070, 53.2917, 69.2636



47.7045, 53.2917, 28.9080

Complementary

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



41.8160, 53.2917, 87.4393



42.7580, 31.2785, 13.2367

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.



54.4375, 53.2917, 29.2410



41.8160, 53.2917, 87.4393



64.3230, 53.2917, 49.8333

Square

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



41.8160, 53.2917, 87.4393



60.0867, 53.2917, 89.3490



60.6529, 53.2917, 36.0809



42.2608, 53.2917, 35.0402

Rectangle

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



41.8160, 53.2917, 87.4393



51.4297, 53.2917, 103.4850



60.6529, 53.2917, 36.0809



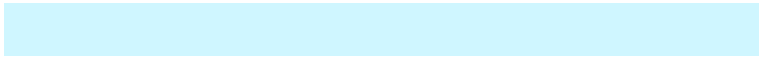
49.8825, 53.2917, 28.3168

Sweetspot

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



41.8177, 53.2937, 87.4406



76.5429, 86.1933, 107.2105



37.2663, 63.3759, 26.7784



15.8684, 18.0498, 22.8976



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.



41.8177, 53.2937, 87.4406



45.3681, 58.7416, 103.5549



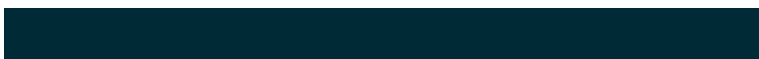
28.0028, 25.6639, 82.8356



15.2597, 16.6058, 19.3232



18.7118, 24.0706, 47.4028



1.5320, 2.0155, 3.7432

Inverse Universe

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



49.5511, 29.5334, 62.7653



55.7892, 29.9906, 69.5711



54.6913, 55.1451, 17.2144



15.5846, 15.2617, 18.3639



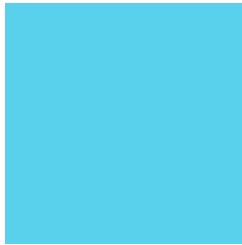
24.3002, 11.9227, 28.4456



1.9398, 0.9489, 2.4002

Previews

White Background



This preview shows how the XYZ color 41.8160, 53.2917, 87.4393 looks on a white background.

Color Contrast Check

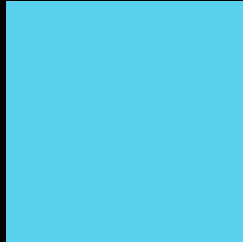
Large Text (above 18pt) WCAG AA × Fail

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 41.8160, 53.2917, 87.4393 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 41.8160, 53.2917, 87.4393

Background



This preview shows how black text looks on a background with the XYZ color 41.8160, 53.2917, 87.4393.

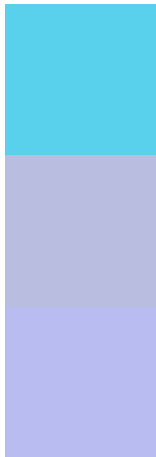


This preview shows how white text looks on a background with the XYZ color 41.8160, 53.2917,

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

41.8160, 53.2917, 87.4393

Protanopia

51.8756, 52.5230, 77.9248

Deuteranopia

53.7190, 52.5720, 89.7542



Tritanopia

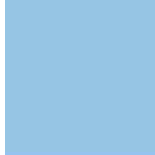
40.6580, 53.5705, 80.8703

Trichromacy



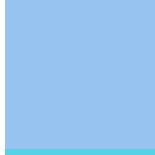
Original Color

41.8160, 53.2917, 87.4393



Protanomaly

46.5475, 52.0180, 80.9859



Deuteranomaly

47.6728, 51.7462, 89.1368



Tritanomaly

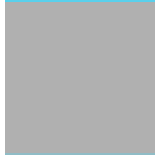
40.9211, 53.2925, 82.9926

Monochromacy



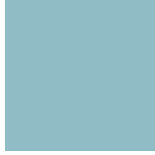
Original Color

41.8160, 53.2917, 87.4393



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

39.6779, 45.9729, 60.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8160, 53.2917, 87.4393 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(89, 208, 236)` looks like.

```
.text, #text, p{  
    color:rgb(89, 208, 236)  
}
```

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(89, 208, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 208, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.8160, 53.2917, 87.4393 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(89, 208, 236) }
```


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

```
.border{ border-color:rgb(89, 208, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 208, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 208, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 208, 236);  
box-shadow:4px 4px 4px 4px rgb(89, 208,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8160, 53.2917, 87.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 208, 236) }
```

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

```
.background{ background-color: rgb(89, 208,  
236) }
```

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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