

Converting Colors

XYZ(21.5601, 13.7738, 88.7118)

Have a look what the booklet for
XYZ(21.5601, 13.7738, 88.7118)
contains.

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Color

**XYZ(21.5913, 13.8010,
88.7147)**

Conversions

Conversions Part 1

Format	Color
Hex	3C53F6
RGB	60, 83, 246
RGB Percent	24%, 33%, 96%
CMY	0.7646, 0.6745, 0.0353
CMYK	0.76, 0.66, 0.00, 0.04
HSL	233°, 91%, 60%
HSV	233°, 76%, 96%
XYZ	21.5913, 13.8010, 88.7147
YIQ	94.7050, -66.0310, 45.8170

Conversions

Conversions Part 2

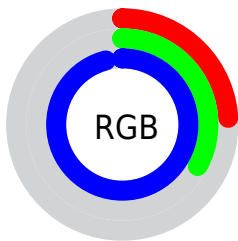
Format	Color
R _Y B	60, 80, 246
Decimal	3953654
CIE Lab	43.95, 46.69, -83.44
CIE LCh	44, 95.620, 299.230
Yxy	13.8010, 0.1740, 0.1112
Android (android.graphics.Color)	4282143734 (0xFF3C53F6)
YUV	94.7050, 74.5884, -30.4363
Hunter-Lab	37.1497, 38.7317, -115.5817

Details

The XYZ color **21.5913, 13.8010, 88.7147** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark washed blue. A complement of this color would be **65.2142, 72.7033, 14.8729**, and the grayscale version is **10.6471, 11.2016, 12.1985**.

A 20% lighter version of the original color is **36.2690, 29.0634, 98.3060**, and **9.7702, 5.0171, 48.0304** is the 20% darker color. If you saturate the color by 10%, you get **19.0342, 10.4030, 88.1940**, and if you desaturate by 10%, it is **25.3528, 18.5806, 89.4394**.

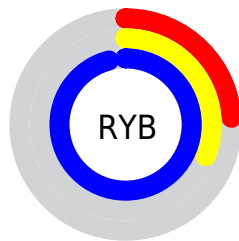
Distribution



Red (24%)

Green (33%)

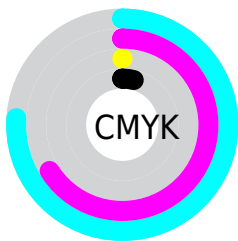
Blue (96%)



Red (24%)

Yellow (31%)

Blue (96%)

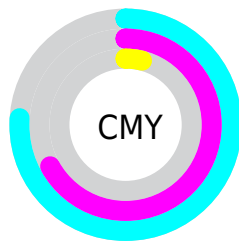


Cyan (76%)

Magenta (66%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (67%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5913, 13.8010, 88.7147 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 21.5913, 13.8010, 88.7147 by changing the saturation by 10% instead.

■ 21.5913, 13.8010,
88.7147

■ 21.5913, 13.8010,
88.7147

253.0771,
215.9893, 544.3027

■ 13.6718, 7.9824,
66.3474

■ 45.5535, 32.7355,
147.4716

■ 7.9729, 4.0837,
48.0962

■ 62.3269, 46.6202,
184.6984

■ 4.1293, 1.7205,
33.5426

■ 82.7823, 63.9624,
227.7154

■ 1.7755, 0.4369,
22.2679

■ 107.2851, 85.1464,
276.9411

■ 0.5029, 0.0000,
13.8537

■ 136.2006,
110.5568, 332.7942

■ 0.0000, 0.0000,
7.8814

169.8942,

■ 0.0000, 0.0000,

140.5777, 395.6931

3.9325

208.7313,
175.5938, 466.0565

■ 0.0000, 0.0000,
1.5884

■ 0.0000, 0.0000,
0.2825

■ 21.5913, 13.8010,
88.7147

■ 21.5913, 13.8010,
88.7147

■ 19.0342, 10.4030,
88.1940

■ 25.3528, 18.5806,
89.4394

■ 17.5249, 8.2332,
87.8547

■ 30.4438, 24.8707,
90.3852

■ 17.1091, 7.6028,
87.7550

■ 36.9762, 32.7861,
91.5687

■ 45.0493, 42.4298,
93.0047

■ 54.7534, 53.8967,
94.7065

■ 66.1720, 67.2743,
96.6868

■ 79.3827, 82.6448,
98.9574

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



12.9228, 13.8010, 107.2040



21.5913, 13.8010, 88.7147



30.0306, 13.8010, 48.0552

Triad

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



21.5913, 13.8010, 88.7147



22.0670, 13.8010, 0.0000



3.2795, 13.8010, 14.4737

Complementary

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



21.5913, 13.8010, 88.7147



65.2142, 72.7033, 14.8729

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.



4.1616, 13.8010, 2.1957



21.5913, 13.8010, 88.7147



13.3140, 13.8010, 0.0000

Square

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



21.5913, 13.8010, 88.7147



30.3717, 13.8010, 2.4760



7.2138, 13.8010, 0.0000



4.0713, 13.8010, 45.9800

Rectangle

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



21.5913, 13.8010, 88.7147



33.2549, 13.8010, 24.2451



7.2138, 13.8010, 0.0000



3.3819, 13.8010, 8.5033

Sweetspot

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



21.5921, 13.8013, 88.7151



62.4035, 61.9976, 103.2855



47.8984, 72.1042, 79.9411



12.4593, 12.2149, 21.9510



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.



21.5921, 13.8013, 88.7151



19.6136, 9.8244, 95.4703



27.1849, 14.4925, 88.5538



15.7461, 16.2566, 20.8505



9.1854, 4.1645, 46.8577



0.8590, 0.4695, 4.1356

Inverse Universe

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



41.1841, 23.4507, 10.5391



42.1569, 22.1154, 5.2517



52.0875, 75.6803, 16.1394



16.5824, 16.5158, 17.5477



20.4409, 10.5198, 1.7640



1.8227, 0.9350, 0.2925

Previews

White Background



This preview shows how the XYZ color 21.5913, 13.8010, 88.7147 looks on a white background.

Color Contrast Check

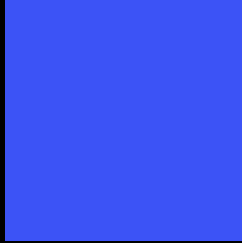
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5913, 13.8010, 88.7147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5913, 13.8010, 88.7147

Background



This preview shows how black text looks on a background with the XYZ color 21.5913, 13.8010, 88.7147.



This preview shows how white text looks on a background with the XYZ color 21.5913, 13.8010,

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

21.5913, 13.8010, 88.7147

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.2907, 13.5627, 44.5652



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

21.5913, 13.8010, 88.7147

Protanomaly

17.5645, 13.3270, 71.4587

Deuteranomaly

15.4781, 13.2177, 58.2354

Tritanomaly

12.1562, 12.6611, 38.3624

Monochromacy



Original Color

21.5913, 13.8010, 88.7147

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.7258, 11.4780, 30.3989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5913, 13.8010, 88.7147 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(60, 83, 246)` looks like.

```
.text, #text, p{  
    color:rgb(60, 83, 246)  
}
```

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(60, 83, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 83, 246) }
```

Border

The CSS property to change the border of an element to XYZ 21.5913, 13.8010, 88.7147 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(60, 83, 246) }
```


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

```
.border{ border-color:rgb(60, 83, 246) }
```

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

Here you see how a box with a 4 pixel rgb(60, 83, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 83, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 83, 246);  
box-shadow:4px 4px 4px 4px rgb(60, 83,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5913, 13.8010, 88.7147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 83, 246) }
```

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

```
.background{ background-color: rgb(60, 83,  
246) }
```

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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