

Converting Colors

XYZ(22.9773, 13.5769, 87.7969)

Have a look what the booklet for
XYZ(22.9773, 13.5769, 87.7969)
contains.

XYZ(22.9547, 13.5648, 87.7946)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9547, 13.5648,
87.7946)**

Conversions

Conversions Part 1

Format	Color
Hex	584AF5
RGB	88, 74, 245
RGB Percent	35%, 29%, 96%
CMY	0.6549, 0.7098, 0.0392
CMYK	0.64, 0.70, 0.00, 0.04
HSL	245°, 90%, 63%
HSV	245°, 70%, 96%
XYZ	22.9547, 13.5648, 87.7946
YIQ	97.6800, -46.5470, 56.1490

Conversions

Conversions Part 2

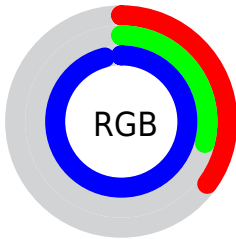
Format	Color
R_{YB}	88, 74, 245
Decimal	5786357
CIE _{Lab}	43.60, 54.47, -83.39
CIE _{LCh}	44, 99.601, 303.151
Yxy	13.5648, 0.1847, 0.1091
Android (android.graphics.Color)	4283976437 (0xFF584AF5)
YUV	97.6800, 72.6288, -8.4894
Hunter-Lab	36.8304, 46.7976, -115.5514

Details

The XYZ color **22.9547, 13.5648, 87.7946** is a dark color, and the websafe version is hex **3333CC**. The color can be described as middle washed blue. A complement of this color would be **66.8402, 82.7867, 18.9349**, and the grayscale version is **11.3650, 11.9569, 13.0211**.

A 20% lighter version of the original color is **38.7100, 28.7573, 98.1182**, and **9.3390, 4.3266, 47.3566** is the 20% darker color. If you saturate the color by 10%, you get **19.8151, 9.9727, 87.2671**, and if you desaturate by 10%, it is **27.3890, 18.7688, 88.5658**.

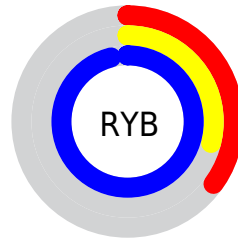
Distribution



Red (35%)

Green (29%)

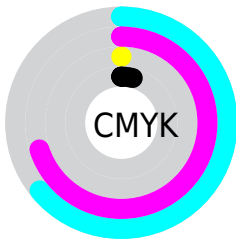
Blue (96%)



Red (35%)

Yellow (29%)

Blue (96%)

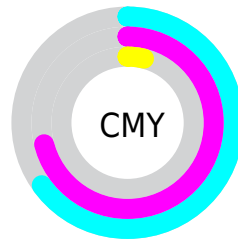


Cyan (64%)

Magenta (70%)

Yellow (0%)

Black (4%)



Cyan (65%)

Magenta (71%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9547, 13.5648, 87.7946 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 22.9547, 13.5648, 87.7946 by changing the saturation by 10% instead.

■ 22.9547, 13.5648,
87.7946

■ 22.9547, 13.5648,
87.7946

260.0319,
214.5064, 541.2142

■ 14.6806, 7.8186,
65.5896

■ 47.7861, 32.3148,
146.1798

■ 8.6804, 3.9791,
47.4850

■ 65.0742, 46.0874,
183.1971

■ 4.5887, 1.6619,
33.0621

■ 86.0975, 63.3043,
225.9888

■ 2.0403, 0.3988,
21.9025

■ 111.2216, 84.3498,
274.9737

■ 0.6564, 0.0000,
13.5877

■ 140.8117,
109.6084, 330.5701

■ 0.0000, 0.0000,
7.6990

175.2332,

■ 0.0000, 0.0000,

139.4644, 393.1966

3.8179

214.8515,
174.3023, 463.2718

■ 0.0000, 0.0000,
1.5260

■ 0.0000, 0.0000,
0.2372

■ 22.9547, 13.5648,
87.7946

■ 22.9547, 13.5648,
87.7946

■ 19.8151, 9.9727,
87.2671

■ 27.3890, 18.7688,
88.5658

■ 17.8263, 7.8019,
86.9529

■ 33.2363, 25.7442,
89.6040

■ 16.7863, 6.7578,
86.8062

■ 40.6042, 34.6323,
90.9312

■ 16.7715, 6.7421,
86.8040

■ 49.5892, 45.5597,
92.5668

60.2799, 58.6423,
94.5286

72.7583, 73.9873,
96.8328

87.1011, 91.6945,
99.4947

93.4815, 99.3726,
100.6404

Harmonies

Analogous

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



13.7350, 13.5648, 112.5371



22.9547, 13.5648, 87.7946



31.4334, 13.5648, 43.8950

Triad

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



22.9547, 13.5648, 87.7946



20.9205, 13.5648, 0.0000



2.9683, 13.5648, 17.2587

Complementary

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



22.9547, 13.5648, 87.7946



66.8402, 82.7867, 18.9349

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.



3.6081, 13.5648, 2.6253



22.9547, 13.5648, 87.7946



12.0860, 13.5648, 0.0000

Square

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



22.9547, 13.5648, 87.7946



29.9637, 13.5648, 1.5332



6.3083, 13.5648, 0.0000



3.9724, 13.5648, 52.9019

Rectangle

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



22.9547, 13.5648, 87.7946



34.2478, 13.5648, 20.5057



6.3083, 13.5648, 0.0000



3.0001, 13.5648, 10.2176

Sweetspot

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



22.9555, 13.5651, 87.7950



64.4502, 62.3020, 103.2363



48.6146, 66.6667, 96.6923



13.0748, 12.4527, 21.9644



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.



22.9555, 13.5651, 87.7950



20.6014, 9.7021, 95.3946



35.7029, 20.1366, 88.3916



15.7070, 15.9916, 20.8014



9.0800, 3.6552, 46.7650



0.8405, 0.3432, 4.1122

Inverse Universe

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



54.5274, 30.0789, 78.5257



57.3780, 28.9728, 83.0341



46.1192, 72.1046, 17.9651



17.1516, 16.7435, 20.5449



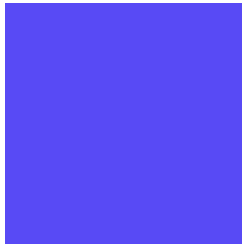
27.6272, 13.3943, 39.6065



2.4452, 1.1840, 3.5706

Previews

White Background



This preview shows how the XYZ color 22.9547, 13.5648, 87.7946 looks on a white background.

Color Contrast Check

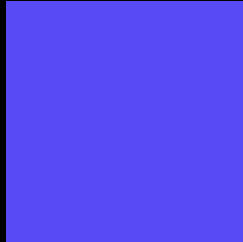
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9547, 13.5648, 87.7946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

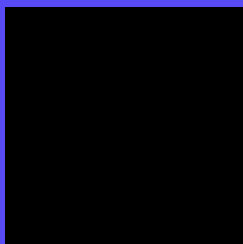
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9547, 13.5648, 87.7946

Background



This preview shows how black text looks on a background with the XYZ color 22.9547, 13.5648, 87.7946.



This preview shows how white text looks on a background with the XYZ color 22.9547, 13.5648,

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

22.9547, 13.5648, 87.7946

Protanopia

15.8470, 13.4777, 61.4407

Deuteranopia

13.0875, 13.3175, 44.0002



Tritanopia

9.4180, 13.2154, 20.4668

Trichromacy



Original Color

22.9547, 13.5648, 87.7946

Protanomaly

17.3030, 12.8399, 69.9730

Deuteranomaly

15.2590, 12.5768, 57.5004

Tritanomaly

12.0326, 12.0208, 38.2453

Monochromacy



Original Color

22.9547, 13.5648, 87.7946

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.7744, 11.7588, 30.8218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9547, 13.5648, 87.7946 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(88, 74, 245)` looks like.

```
.text, #text, p{  
    color:rgb(88, 74, 245)  
}
```

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(88, 74, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 74, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.9547, 13.5648, 87.7946 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(88, 74, 245) }
```


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

```
.border{ border-color:rgb(88, 74, 245) }
```

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

Here you see how a box with a 4 pixel rgb(88, 74, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 74, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 74, 245);  
box-shadow:4px 4px 4px 4px rgb(88, 74,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9547, 13.5648, 87.7946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 74, 245) }
```

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

```
.background{ background-color: rgb(88, 74,  
245) }
```

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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