

Converting Colors

XYZ(23.5953, 17.9747, 88.5528)

Have a look what the booklet for
XYZ(23.5953, 17.9747, 88.5528)
contains.

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Color

**XYZ(23.5599, 17.8927,
88.5981)**

Conversions

Conversions Part 1

Format	Color
Hex	3D6AF5
RGB	61, 106, 245
RGB Percent	24%, 42%, 96%
CMY	0.7607, 0.5843, 0.0392
CMYK	0.75, 0.57, 0.00, 0.04
HSL	225°, 90%, 60%
HSV	225°, 75%, 96%
XYZ	23.5599, 17.8927, 88.5981
YIQ	108.3910, -71.4390, 33.6890

Conversions

Conversions Part 2

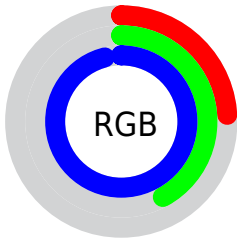
Format	Color
RYB	61, 97, 245
Decimal	4025077
CIELab	49.37, 32.34, -74.02
CIELCh	49, 80.773, 293.600
Yxy	17.8927, 0.1812, 0.1376
Android (android.graphics.Color)	4282215157 (0xFF3D6AF5)
YUV	108.3910, 67.3482, -41.5619
Hunter-Lab	42.2998, 25.3954, -94.5748

Details

The XYZ color **23.5599, 17.8927, 88.5981** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **59.1567, 61.0649, 13.0856**, and the grayscale version is **14.1960, 14.9353, 16.2645**.

A 20% lighter version of the original color is **39.7798, 36.3205, 99.5217**, and **10.6930, 6.8626, 48.3380** is the 20% darker color. If you saturate the color by 10%, you get **20.6751, 13.8730, 87.9747**, and if you desaturate by 10%, it is **27.5463, 23.0913, 89.3919**.

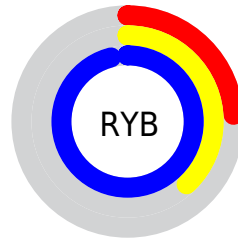
Distribution



Red (24%)

Green (42%)

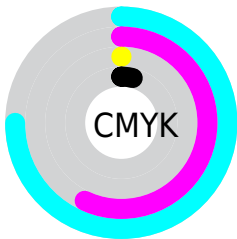
Blue (96%)



Red (24%)

Yellow (38%)

Blue (96%)

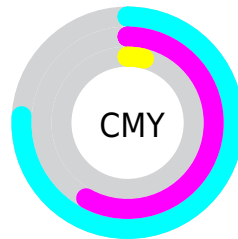


Cyan (75%)

Magenta (57%)

Yellow (0%)

Black (4%)



Cyan (76%)

Magenta (58%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5599, 17.8927, 88.5981 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 23.5599, 17.8927, 88.5981 by changing the saturation by 10% instead.

■ 23.5599, 17.8927,
88.5981

■ 23.5599, 17.8927,
88.5981

263.0698,
240.2656, 543.9119

■ 15.1304, 10.8730,
66.2514

■ 48.7710, 39.8544,
147.3080

■ 8.9979, 5.9815,
48.0187

■ 66.2833, 55.5652,
184.5083

■ 4.7969, 2.8338,
33.4816

■ 87.5540, 74.9418,
227.4967

■ 2.1621, 1.0456,
22.2215

■ 112.9484, 98.3685,
276.6920

■ 0.7227, 0.0000,
13.8199

142.8318,
126.2299, 332.5126

■ 0.0000, 0.0000,
7.8582

177.5696,

■ 0.0000, 0.0000,

158.9103, 395.3771

3.9179

217.5271,
196.7940, 465.7040

■ 0.0000, 0.0000,
1.5804

■ 0.0000, 0.0000,
0.2768

■ 23.5599, 17.8927,
88.5981

■ 23.5599, 17.8927,
88.5981

■ 20.6751, 13.8730,
87.9747

■ 27.5463, 23.0913,
89.3919

■ 18.7602, 10.9247,
87.5066

■ 32.7389, 29.5591,
90.3666

■ 18.0924, 9.8143,
87.3275

■ 39.2326, 37.3781,
91.5336

■ 47.1113, 46.6229,
92.9028

■ 56.4520, 57.3621,
94.4833

■ 67.3255, 69.6599,
96.2839

■ 79.7983, 83.5765,
98.3127

■ 93.1877, 98.7849,
100.5426

■ 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



15.4275, 17.8927, 97.7993



23.5599, 17.8927, 88.5981



31.7048, 17.8927, 56.4117

Triad

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



23.5599, 17.8927, 88.5981



27.2466, 17.8927, 1.4758



6.2189, 17.8927, 15.1756

Complementary

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



23.5599, 17.8927, 88.5981



59.1567, 61.0649, 13.0856

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.



7.7413, 17.8927, 3.6976



23.5599, 17.8927, 88.5981



18.6896, 17.8927, 0.3386

Square

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



23.5599, 17.8927, 88.5981



34.2392, 17.8927, 7.0636



11.7972, 17.8927, 0.7757



6.8160, 17.8927, 41.5244

Rectangle

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



23.5599, 17.8927, 88.5981



35.2506, 17.8927, 33.8643



11.7972, 17.8927, 0.7757



6.4802, 17.8927, 9.8867

Sweetspot

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



23.5608, 17.8931, 88.5986



64.1235, 65.4376, 103.8588



44.8871, 70.4214, 65.2621



12.8652, 13.0265, 22.0863



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.



23.5608, 17.8931, 88.5986



21.4516, 13.4097, 96.0654



24.2156, 13.0580, 87.6308



15.9102, 16.5847, 20.9052



9.8370, 5.4679, 47.0750



0.9420, 0.6355, 4.1632

Inverse Universe

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



41.9274, 23.7921, 16.0181



43.1068, 22.5802, 9.9923



57.0495, 77.7849, 16.4240



16.6653, 16.5490, 17.9838



20.7698, 10.6514, 3.4962



1.8646, 0.9518, 0.5131

Previews

White Background



This preview shows how the XYZ color 23.5599, 17.8927, 88.5981 looks on a white background.

Color Contrast Check

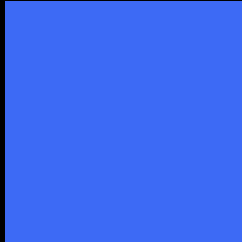
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5599, 17.8927, 88.5981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

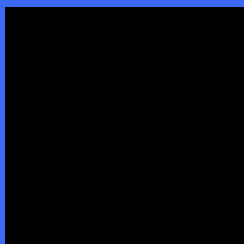
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

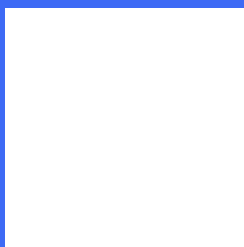
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5599, 17.8927, 88.5981

Background



This preview shows how black text looks on a background with the XYZ color 23.5599, 17.8927, 88.5981.



This preview shows how white text looks on a background with the XYZ color 23.5599, 17.8927,

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

23.5599, 17.8927, 88.5981

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

17.6163, 17.6014, 60.2265



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

23.5599, 17.8927, 88.5981

Protanomaly

21.7840, 17.6733, 85.4822

Deuteranomaly

19.2665, 17.3725, 70.0479

Tritanomaly

15.1041, 17.0196, 44.0840

Monochromacy



Original Color

23.5599, 17.8927, 88.5981

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.7436, 15.2082, 34.4534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5599, 17.8927, 88.5981 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(61, 106, 245)` looks like.

```
.text, #text, p{  
    color:rgb(61, 106, 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(61, 106, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 106, 245) }
```

Border

The CSS property to change the border of an element to XYZ 23.5599, 17.8927, 88.5981 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(61, 106, 245) }
```


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

```
.border{ border-color:rgb(61, 106, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 106, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 106, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 106, 245);  
box-shadow:4px 4px 4px 4px rgb(61, 106,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5599, 17.8927, 88.5981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 106, 245) }
```

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

```
.background{ background-color: rgb(61, 106,  
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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