

Converting Colors

XYZ(23.8648, 17.9221, 79.2931)

Have a look what the booklet for
XYZ(23.8648, 17.9221, 79.2931)
contains.

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Color

**XYZ(23.8747, 17.9575,
79.2986)**

Conversions

Conversions Part 1

Format	Color
Hex	5A68E9
RGB	90, 104, 233
RGB Percent	35%, 41%, 91%
CMY	0.6470, 0.5922, 0.0863
CMYK	0.61, 0.55, 0.00, 0.09
HSL	234°, 76%, 63%
HSV	234°, 61%, 91%
XYZ	23.8747, 17.9575, 79.2986
YIQ	114.5200, -49.7530, 37.1510

Conversions

Conversions Part 2

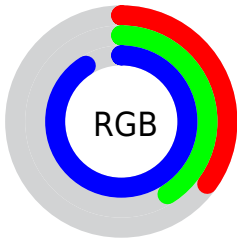
Format	Color
R _Y B	90, 103, 233
Decimal	5925097
CIE Lab	49.44, 33.39, -67.11
CIE LCh	49, 74.954, 296.454
Yxy	17.9575, 0.1971, 0.1482
Android (android.graphics.Color)	4284115177 (0xFF5A68E9)
YUV	114.5200, 58.4106, -21.5040
Hunter-Lab	42.3763, 26.4080, -81.2858

Details

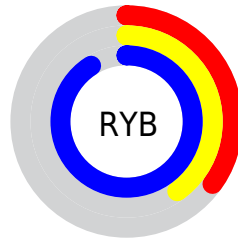
The XYZ color **23.8747, 17.9575, 79.2986** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **60.7835, 68.7286, 19.7367**, and the grayscale version is **15.9918, 16.8246, 18.3220**.

A 20% lighter version of the original color is **42.7202, 37.3381, 99.5631**, and **9.2996, 6.0608, 41.7540** is the 20% darker color. If you saturate the color by 10%, you get **20.0945, 13.2498, 78.5896**, and if you desaturate by 10%, it is **28.8939, 24.0868, 80.2176**.

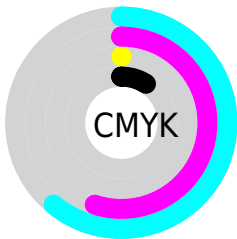
Distribution



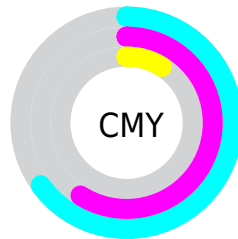
- Red (35%)
- Green (41%)
- Blue (91%)



- Red (35%)
- Yellow (40%)
- Blue (91%)



- Cyan (61%)
- Magenta (55%)
- Yellow (0%)
- Black (9%)



- Cyan (65%)
- Magenta (59%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8747, 17.9575, 79.2986 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 23.8747, 17.9575, 79.2986 by changing the saturation by 10% instead.

■ 23.8747, 17.9575,
79.2986

■ 23.8747, 17.9575,
79.2986

264.6386,
240.6314, 512.2102

■ 15.3649, 10.9195,
58.6186

■ 49.2818, 39.9649,
134.1816

■ 9.1639, 6.0127,
41.8882

■ 66.9099, 55.7031,
169.2217

■ 4.9062, 2.8528,
28.6888

■ 88.3081, 75.1101,
209.8855

■ 2.2265, 1.0554,
18.6020

■ 113.8418, 98.5703,
256.5917

■ 0.7567, 0.0000,
11.2091

143.8763,
126.4681, 309.7587

■ 0.0000, 0.0000,
6.0918

178.7771,

■ 0.0000, 0.0000,

159.1880, 369.8051

2.8313

218.9094,
197.1143, 437.1494

■ 0.0000, 0.0000,
1.0091

■ 0.0000, 0.0000,
0.0000

■ 23.8747, 17.9575,
79.2986

■ 23.8747, 17.9575,
79.2986

■ 20.0945, 13.2498,
78.5896

■ 28.8939, 24.0868,
80.2176

■ 17.4420, 9.8467,
78.0725

■ 35.2454, 31.7387,
81.3598

■ 15.7896, 7.6149,
77.7288

■ 43.0165, 41.0068,
82.7391

■ 15.0105, 6.4882,
77.5524

■ 52.2861, 51.9766,
84.3679

■ 63.1277, 64.7277,
86.2577

■ 75.6095, 79.3347,
88.4193

■ 89.7960, 95.8676,
90.8628

■ 91.7081, 98.6632,
91.3016

Harmonies

Analogous

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



16.2402, 17.9575, 89.9269



23.8747, 17.9575, 79.2986



31.1040, 17.9575, 49.9571

Triad

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



23.8747, 17.9575, 79.2986



25.7447, 17.9575, 1.7389



6.7715, 17.9575, 17.2401

Complementary

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



23.8747, 17.9575, 79.2986



60.7835, 68.7286, 19.7367

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.



8.0544, 17.9575, 4.9572



23.8747, 17.9575, 79.2986



17.9236, 17.9575, 0.7298

Square

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



23.8747, 17.9575, 79.2986



32.3766, 17.9575, 6.8246



11.6963, 17.9575, 1.3015



7.5550, 17.9575, 42.5539

Rectangle

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



23.8747, 17.9575, 79.2986



34.0062, 17.9575, 30.1734



11.6963, 17.9575, 1.3015



6.9636, 17.9575, 11.7722

Sweetspot

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



23.8756, 17.9580, 79.2991



68.3162, 68.6767, 104.2630



46.1031, 65.5509, 77.0345



13.8289, 13.7646, 22.1779



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.



23.8756, 17.9580, 79.2991



23.5472, 14.8490, 96.2328



30.4341, 19.4187, 79.2353



14.3498, 14.7860, 19.0199



8.5574, 3.7618, 44.0180



0.7122, 0.3759, 3.4699

Inverse Universe

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



39.7599, 25.6367, 15.9497



44.8362, 25.8438, 11.1711



48.8448, 68.2236, 20.2685



15.1253, 15.0780, 15.9454



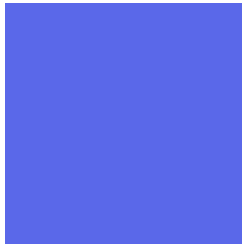
19.1747, 9.8726, 1.4552



1.5260, 0.7834, 0.2213

Previews

White Background



This preview shows how the XYZ color 23.8747, 17.9575, 79.2986 looks on a white background.

Color Contrast Check

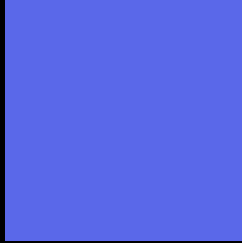
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8747, 17.9575, 79.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

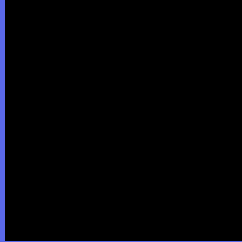
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8747, 17.9575, 79.2986

Background



This preview shows how black text looks on a background with the XYZ color 23.8747, 17.9575, 79.2986.



This preview shows how white text looks on a background with the XYZ color 23.8747, 17.9575,

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

23.8747, 17.9575, 79.2986

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.1016, 17.9870, 62.1923



Tritanopia

13.3756, 17.8160, 27.1600

Trichromacy



Original Color

23.8747, 17.9575, 79.2986

Protanomaly

21.4892, 17.5896, 82.3833

Deuteranomaly

19.1689, 17.3677, 67.9876

Tritanomaly

16.0031, 17.1714, 42.0061

Monochromacy



Original Color

23.8747, 17.9575, 79.2986

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7999, 16.9017, 34.6719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8747, 17.9575, 79.2986 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(90, 104, 233)` looks like.

```
.text, #text, p{  
    color:rgb(90, 104, 233)  
}
```

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(90, 104, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 104, 233) }
```

Border

The CSS property to change the border of an element to XYZ 23.8747, 17.9575, 79.2986 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(90, 104, 233) }
```


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

```
.border{ border-color:rgb(90, 104, 233) }
```

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

Here you see how a box with a 4 pixel rgb(90, 104, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 104, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 104, 233);  
box-shadow:4px 4px 4px 4px rgb(90, 104,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8747, 17.9575, 79.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 104, 233) }
```

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

```
.background{ background-color: rgb(90, 104,  
233) }
```

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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