

Converting Colors

XYZ(23.4575, 19.6344, 85.6041)

Have a look what the booklet for
XYZ(23.4575, 19.6344, 85.6041)
contains.

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Color

**XYZ(23.5539, 19.7516,
85.7901)**

Conversions

Conversions Part 1

Format	Color
Hex	3275F1
RGB	50, 117, 241
RGB Percent	20%, 46%, 95%
CMY	0.8039, 0.5412, 0.0549
CMYK	0.79, 0.51, 0.00, 0.05
HSL	219°, 87%, 57%
HSV	219°, 79%, 95%
XYZ	23.5539, 19.7516, 85.7901
YIQ	111.1030, -79.7360, 24.3600

Conversions

Conversions Part 2

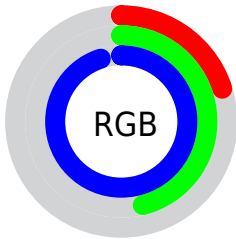
Format	Color
R _Y B	50, 100, 241
Decimal	3306993
CIE Lab	51.56, 22.87, -68.25
CIE LCh	52, 71.980, 288.528
Yxy	19.7516, 0.1825, 0.1530
Android (android.graphics.Color)	4281497073 (0xFF3275F1)
YUV	111.1030, 64.0392, -53.5873
Hunter-Lab	44.4428, 16.8271, -83.3405

Details

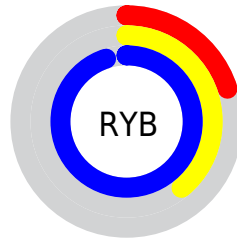
The XYZ color **23.5539, 19.7516, 85.7901** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **51.9914, 49.2102, 9.7778**, and the grayscale version is **14.9777, 15.7577, 17.1602**.

A 20% lighter version of the original color is **40.5101, 39.5852, 100.1133**, and **10.8419, 7.8410, 46.2894** is the 20% darker color. If you saturate the color by 10%, you get **20.9892, 15.9455, 85.1911**, and if you desaturate by 10%, it is **27.0498, 24.4902, 86.5210**.

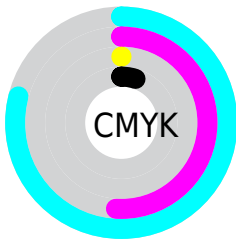
Distribution



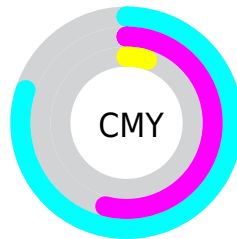
- Red (20%)
- Green (46%)
- Blue (95%)



- Red (20%)
- Yellow (39%)
- Blue (95%)



- Cyan (79%)
- Magenta (51%)
- Yellow (0%)
- Black (5%)



- Cyan (80%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5539, 19.7516, 85.7901 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 23.5539, 19.7516, 85.7901 by changing the saturation by 10% instead.

■ 23.5539, 19.7516,
85.7901

■ 23.5539, 19.7516,
85.7901

263.0399,
250.5672, 534.4515

■ 15.1260, 12.2146,
63.9405

■ 48.7612, 43.0003,
143.3605

■ 8.9947, 6.8900,
46.1566

■ 66.2714, 59.4809,
179.9184

■ 4.7948, 3.3934,
32.0199

■ 87.5396, 79.7114,
222.2161

■ 2.1609, 1.3404,
21.1117

■ 112.9313,
104.0762, 270.6722

■ 0.7220, 0.1722,
13.0137

■ 142.8118,
132.9598, 325.7053

■ 0.0000, 0.0000,
7.3071

177.5465,

■ 0.0000, 0.0000,

166.7466, 387.7338

3.5736

217.5007,
205.8209, 457.1764

■ 0.0000, 0.0000,
1.3944

■ 0.0000, 0.0000,
0.1374

■ 23.5539, 19.7516,
85.7901

■ 23.5539, 19.7516,
85.7901

■ 20.9892, 15.9455,
85.1911

■ 27.0498, 24.4902,
86.5210

■ 19.2043, 12.9713,
84.7111

■ 31.5741, 30.2323,
87.3909

■ 19.0886, 12.7735,
84.6790

■ 37.2136, 37.0422,
88.4081

■ 44.0444, 44.9776,
89.5797

■ 52.1354, 54.0917,
90.9125

■ 61.5501, 64.4338,
92.4125

■ 72.3473, 76.0502,
94.0856

■ 84.5824, 88.9849,
95.9374

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



16.1383, 19.7516, 89.0245



23.5539, 19.7516, 85.7901



31.2562, 19.7516, 60.1923

Triad

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



23.5539, 19.7516, 85.7901



29.5849, 19.7516, 3.3294



8.1678, 19.7516, 14.5109

Complementary

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



23.5539, 19.7516, 85.7901



51.9914, 49.2102, 9.7778

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.



10.1546, 19.7516, 4.4334



23.5539, 19.7516, 85.7901



21.6806, 19.7516, 1.3190

Square

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



23.5539, 19.7516, 85.7901



35.3094, 19.7516, 11.1614



14.6877, 19.7516, 1.5265



8.4251, 19.7516, 36.8271

Rectangle

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



23.5539, 19.7516, 85.7901



34.9380, 19.7516, 39.6515



14.6877, 19.7516, 1.5265



8.5693, 19.7516, 9.9639

Sweetspot

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



23.5549, 19.7521, 85.7906



64.6147, 67.3986, 104.2114



40.1199, 66.5288, 49.2416



13.0306, 13.5444, 22.1775



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.



23.5549, 19.7521, 85.7906



22.5533, 15.9856, 96.5046



19.9581, 10.1489, 84.1266



15.3507, 16.1356, 20.0270



10.4655, 7.1553, 45.9574



0.9607, 0.7755, 3.8533

Inverse Universe

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



40.6281, 22.2679, 18.9865



43.5719, 22.4179, 13.5151



60.2136, 77.6698, 14.8377



16.0017, 15.8504, 17.5653



20.6081, 10.5157, 5.8530



1.7599, 0.8930, 0.7264

Previews

White Background



This preview shows how the XYZ color 23.5539, 19.7516, 85.7901 looks on a white background.

Color Contrast Check

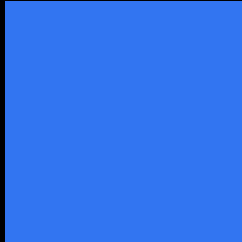
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.5539, 19.7516, 85.7901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

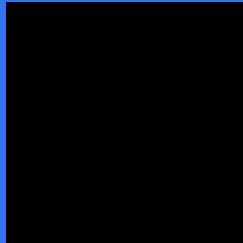
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

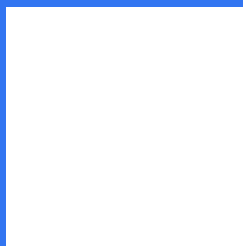
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5539, 19.7516, 85.7901

Background



This preview shows how black text looks on a background with the XYZ color 23.5539, 19.7516, 85.7901.



This preview shows how white text looks on a background with the XYZ color 23.5539, 19.7516,

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

23.5539, 19.7516, 85.7901

Protanopia

23.4199, 19.8391, 86.5994

Deuteranopia

19.8580, 19.6770, 68.3970



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

23.5539, 19.7516, 85.7901

Protanomaly

23.5442, 19.9031, 86.6052

Deuteranomaly

20.9365, 19.5387, 74.6194

Tritanomaly

16.3379, 19.1244, 46.0103

Monochromacy



Original Color

23.5539, 19.7516, 85.7901

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.1965, 16.4027, 34.6601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5539, 19.7516, 85.7901 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(50, 117, 241)` looks like.

```
.text, #text, p{  
    color:rgb(50, 117, 241)  
}
```

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(50, 117, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 117, 241) }
```

Border

The CSS property to change the border of an element to XYZ 23.5539, 19.7516, 85.7901 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(50, 117, 241) }
```


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

```
.border{ border-color:rgb(50, 117, 241) }
```

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

Here you see how a box with a 4 pixel rgb(50, 117, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 117, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 117, 241);  
box-shadow:4px 4px 4px 4px rgb(50, 117,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5539, 19.7516, 85.7901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 117, 241) }
```

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

```
.background{ background-color: rgb(50, 117,  
241) }
```

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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