

Converting Colors

XYZ(23.9589, 20.4876, 85.9108)

Have a look what the booklet for
XYZ(23.9589, 20.4876, 85.9108)
contains.

XYZ(23.9589, 20.4876, 85.9108)	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(23.9589, 20.4876,
85.9108)**

Conversions

Conversions Part 1

Format	Color
Hex	3378F1
RGB	51, 120, 241
RGB Percent	20%, 47%, 95%
CMY	0.7999, 0.5294, 0.0549
CMYK	0.79, 0.50, 0.00, 0.05
HSL	218°, 87%, 57%
HSV	218°, 79%, 95%
XYZ	23.9589, 20.4876, 85.9108
YIQ	113.1630, -79.9650, 23.0030

Conversions

Conversions Part 2

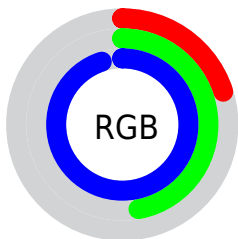
Format	Color
R _Y B	51, 102, 241
Decimal	3373297
CIE Lab	52.38, 21.09, -66.91
CIE LCh	52, 70.152, 287.496
Yxy	20.4876, 0.1838, 0.1572
Android (android.graphics.Color)	4281563377 (0xFF3378F1)
YUV	113.1630, 63.0236, -54.5170
Hunter-Lab	45.2632, 15.2736, -80.8497

Details

The XYZ color **23.9589, 20.4876, 85.9108** 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 **51.6296, 48.4517, 9.7649**, and the grayscale version is **15.5820, 16.3934, 17.8525**.

A 20% lighter version of the original color is **41.2600, 41.0850, 100.3633**, and **11.0343, 8.2258, 46.3536** is the 20% darker color. If you saturate the color by 10%, you get **21.3432, 16.6150, 85.3017**, and if you desaturate by 10%, it is **27.5009, 25.2771, 86.6491**.

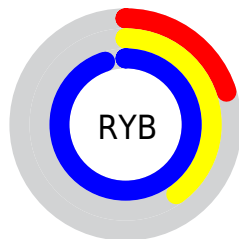
Distribution



Red (20%)

Green (47%)

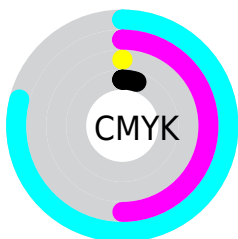
Blue (95%)



Red (20%)

Yellow (40%)

Blue (95%)

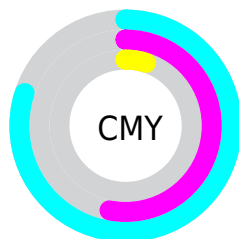


Cyan (79%)

Magenta (50%)

Yellow (0%)

Black (5%)



Cyan (80%)

Magenta (53%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9589, 20.4876, 85.9108 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 23.9589, 20.4876, 85.9108 by changing the saturation by 10% instead.

■ 23.9589, 20.4876,
85.9108

■ 23.9589, 20.4876,
85.9108

265.0570,
254.5427, 534.8600

■ 15.4277, 12.7500,
64.0397

■ 49.4183, 44.2332,
143.5304

■ 9.2084, 7.2566,
46.2365

■ 67.0772, 61.0099,
180.1161

■ 4.9355, 3.6231,
32.0825

■ 88.5094, 81.5685,
222.4437

■ 2.2439, 1.4650,
21.1591

■ 114.0802,
106.2933, 270.9318

■ 0.7657, 0.2639,
13.0480

■ 144.1550,
135.5687, 325.9990

■ 0.0000, 0.0000,
7.3305

179.0992,

■ 0.0000, 0.0000,

169.7792, 388.0637

3.5881

219.2780,
209.3090, 457.5445

■ 0.0000, 0.0000,
1.4022

■ 0.0000, 0.0000,
0.1434

■ 23.9589, 20.4876,
85.9108

■ 23.9589, 20.4876,
85.9108

■ 21.3432, 16.6150,
85.3017

■ 27.5009, 25.2771,
86.6491

■ 19.5101, 13.5642,
84.8094

■ 32.0648, 31.0522,
87.5233

■ 19.3267, 13.2498,
84.7584

■ 37.7361, 37.8752,
88.5413

■ 44.5897, 45.8022,
89.7102

■ 52.6936, 54.8846,
91.0361

■ 62.1103, 65.1704,
92.5252

■ 72.8981, 76.7046,
94.1829

■ 85.1114, 89.5297,
96.0147

■ 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.



16.6150, 20.4876, 88.1349



23.9589, 20.4876, 85.9108



31.6265, 20.4876, 61.4751

Triad

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



23.9589, 20.4876, 85.9108



30.4582, 20.4876, 3.9461



8.8088, 20.4876, 14.7492

Complementary

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



23.9589, 20.4876, 85.9108



51.6296, 48.4517, 9.7649

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.



10.9161, 20.4876, 4.7703



23.9589, 20.4876, 85.9108



22.6409, 20.4876, 1.6424

Square

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



23.9589, 20.4876, 85.9108



35.9708, 20.4876, 12.3503



15.5849, 20.4876, 1.8051



8.9948, 20.4876, 36.5472

Rectangle

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



23.9589, 20.4876, 85.9108



35.3488, 20.4876, 41.2825



15.5849, 20.4876, 1.8051



9.2454, 20.4876, 10.2742

Sweetspot

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



23.9599, 20.4882, 85.9114



64.8083, 67.7858, 104.2759



40.2047, 66.5685, 49.4282



13.0765, 13.6362, 22.1928



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.



23.9599, 20.4882, 85.9114



22.8380, 16.5551, 96.5995



20.0701, 10.2708, 84.1442



15.3671, 16.1683, 20.0325



10.5972, 7.4186, 46.0013



0.9730, 0.8000, 3.8573

Inverse Universe

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



40.8506, 22.4261, 19.9450



43.7156, 22.4754, 14.2720



60.2747, 77.6988, 14.9545



16.0100, 15.8537, 17.6088



20.6746, 10.5423, 6.2029



1.7661, 0.8955, 0.7590

Previews

White Background



This preview shows how the XYZ color 23.9589, 20.4876, 85.9108 looks on a white background.

Color Contrast Check

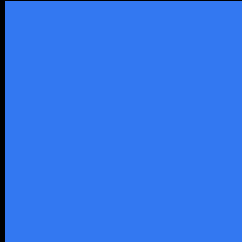
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9589, 20.4876, 85.9108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

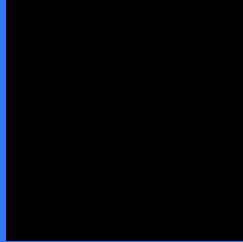
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

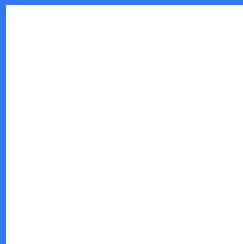
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9589, 20.4876, 85.9108

Background



This preview shows how black text looks on a background with the XYZ color 23.9589, 20.4876, 85.9108.



This preview shows how white text looks on a background with the XYZ color 23.9589, 20.4876,

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

23.9589, 20.4876, 85.9108

Protanopia

24.0098, 20.5139, 85.9132

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

23.9589, 20.4876, 85.9108

Protanomaly

24.0098, 20.5139, 85.9132

Deuteranomaly

21.4798, 20.1552, 76.1570

Tritanomaly

16.7253, 19.7072, 46.6384

Monochromacy



Original Color

23.9589, 20.4876, 85.9108

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.8070, 17.2025, 35.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9589, 20.4876, 85.9108 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(51, 120, 241)` looks like.

```
.text, #text, p{  
    color:rgb(51, 120, 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(51, 120, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 120, 241) }
```

Border

The CSS property to change the border of an element to XYZ 23.9589, 20.4876, 85.9108 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(51, 120, 241) }
```


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

```
.border{ border-color:rgb(51, 120, 241) }
```

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

Here you see how a box with a 4 pixel rgb(51, 120, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 120, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 120, 241);  
box-shadow:4px 4px 4px 4px rgb(51, 120,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9589, 20.4876, 85.9108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 120, 241) }
```

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

```
.background{ background-color: rgb(51, 120,  
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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