

Converting Colors

XYZ(23.1243, 23.0589, 35.7043)

Have a look what the booklet for
XYZ(23.1243, 23.0589, 35.7043)
contains.

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Color

**XYZ(23.0563, 23.0231,
35.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	80829E
RGB	128, 130, 158
RGB Percent	50%, 51%, 62%
CMY	0.4980, 0.4902, 0.3804
CMYK	0.19, 0.18, 0.00, 0.38
HSL	236°, 13%, 56%
HSV	236°, 19%, 62%
XYZ	23.0563, 23.0231, 35.5765
YIQ	132.5940, -10.1800, 8.2840

Conversions

Conversions Part 2

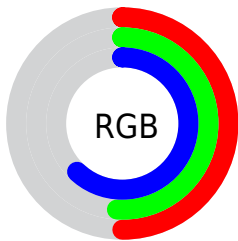
Format	Color
R_{YB}	128, 130, 158
Decimal	8422046
CIE Lab	55.10, 5.38, -15.17
CIE LCh	55, 16.099, 289.534
Yxy	23.0231, 0.2824, 0.2820
Android (android.graphics.Color)	4286612126 (0xFF80829E)
YUV	132.5940, 12.5252, -4.0289
Hunter-Lab	47.9824, 1.8029, -10.3728

Details

The XYZ color **23.0563, 23.0231, 35.5765** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.8855, 32.6046, 25.1409**, and the grayscale version is **22.1061, 23.2574, 25.3273**.

A 20% lighter version of the original color is **47.9998, 48.4948, 69.7814**, and **8.7382, 8.5661, 15.1028** is the 20% darker color. If you saturate the color by 10%, you get **19.0395, 18.2468, 34.8667**, and if you desaturate by 10%, it is **27.7257, 28.5543, 36.3984**.

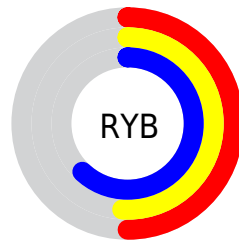
Distribution



Red (50%)

Green (51%)

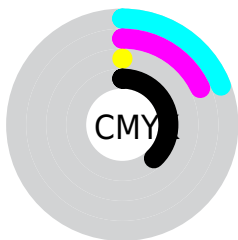
Blue (62%)



Red (50%)

Yellow (51%)

Blue (62%)

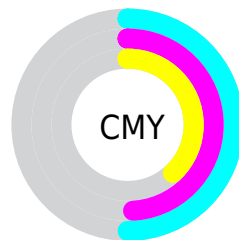


Cyan (19%)

Magenta (18%)

Yellow (0%)

Black (38%)



Cyan (50%)

Magenta (49%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0563, 23.0231, 35.5765 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 23.0563, 23.0231, 35.5765 by changing the saturation by 10% instead.

■ 23.0563, 23.0231,
35.5765

■ 23.0563, 23.0231,
35.5765

260.5440,
267.8436, 342.0870

■ 14.7560, 14.6106,
23.8202

■ 47.9517, 48.4313,
69.5396

■ 8.7335, 8.5465,
14.9893

■ 65.2776, 66.1957,
92.5834

■ 4.6235, 4.4466,
8.6654

■ 86.3427, 87.8462,
120.2269

■ 2.0606, 1.9264,
4.4297

111.5123,
113.7671, 152.8884

■ 0.6676, 0.5642,
1.8639

141.1519,
144.3430, 190.9867

■ 0.0000, 0.0000,
0.4696

175.6268,

■ 0.0000, 0.0000,

179.9581, 234.9402

0.0000

215.3024,
220.9968, 285.1674

■ 23.0563, 23.0231,
35.5765

■ 23.0563, 23.0231,
35.5765

■ 19.0395, 18.2468,
34.8667

■ 27.7257, 28.5543,
36.3984

■ 15.6442, 14.1899,
34.2626

■ 33.0728, 34.8682,
37.3353

■ 12.8400, 10.8185,
33.7596

■ 39.1239, 41.9946,
38.3919

■ 10.5929, 8.0946,
33.3523

■ 45.9032, 49.9610,
39.5722

■ 8.8657, 5.9765,
33.0345

■ 53.4339, 58.7935,
40.8802

■ 7.6166, 4.4179,
32.7995

■ 61.7381, 68.5171,
42.3193

■ 6.7970, 3.3654,
32.6395

■ 70.8370, 79.1559,
43.8933

■ 6.3236, 2.7428,
32.5443

■ 80.7508, 90.7329,
45.6053

■ 6.2861, 2.6976,
32.5375

■ 83.1716, 95.2487,
46.3494

Harmonies

Analogous

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



21.2623, 23.0231, 36.0894



23.0563, 23.0231, 35.5765



24.6128, 23.0231, 32.0403

Triad

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



23.0563, 23.0231, 35.5765



24.1982, 23.0231, 18.2797



18.6635, 23.0231, 23.3165

Complementary

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



23.0563, 23.0231, 35.5765



29.8855, 32.6046, 25.1409

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.



19.3624, 23.0231, 19.1889



23.0563, 23.0231, 35.5765



22.5152, 23.0231, 16.5559

Square

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



23.0563, 23.0231, 35.5765



25.2966, 23.0231, 21.9086



20.7497, 23.0231, 16.8643



18.7908, 23.0231, 28.5180

Rectangle

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



23.0563, 23.0231, 35.5765



25.2755, 23.0231, 28.6828



20.7497, 23.0231, 16.8643



18.8081, 23.0231, 21.7709

Sweetspot

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



23.0570, 23.0240, 35.5770



53.0074, 54.9961, 66.5650



27.0879, 31.4268, 35.8697



11.8227, 12.2478, 14.9846



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0570, 23.0240, 35.5770



38.4721, 37.7740, 64.0069



24.7909, 23.5266, 35.5826



6.3185, 6.5028, 8.3288



5.0462, 2.1839, 26.0628



0.0995, 0.0575, 0.4691

Inverse Universe

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



25.8496, 24.3198, 24.4519



44.5527, 40.6281, 39.7754



27.8890, 32.0780, 25.1444



6.6501, 6.6530, 7.0086



11.3453, 5.8427, 0.8033



0.2075, 0.1063, 0.0389

Previews

White Background



This preview shows how the XYZ color 23.0563, 23.0231, 35.5765 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 23.0563, 23.0231, 35.5765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

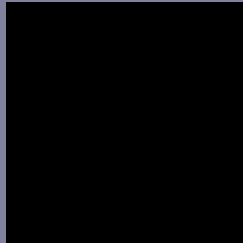
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0563, 23.0231, 35.5765

Background



This preview shows how black text looks on a background with the XYZ color 23.0563, 23.0231, 35.5765.



This preview shows how white text looks on a background with the XYZ color 23.0563, 23.0231,

35.5765.

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

23.0563, 23.0231, 35.5765

Protanopia

22.8920, 23.1368, 35.6071

Deuteranopia

23.5375, 23.0747, 35.5610



Tritanopia

21.8029, 23.1182, 29.2997

Trichromacy



Original Color

23.0563, 23.0231, 35.5765

Protanomaly

23.0403, 23.2132, 35.6140

Deuteranomaly

23.3819, 22.9944, 35.5538

Tritanomaly

22.2007, 23.0763, 31.3010

Monochromacy



Original Color

23.0563, 23.0231, 35.5765

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4938, 23.2808, 28.8993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0563, 23.0231, 35.5765 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(128, 130, 158)` looks like.

```
.text, #text, p{  
    color:rgb(128, 130, 158)  
}
```

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(128, 130, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 130, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.0563, 23.0231, 35.5765 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(128, 130, 158) }
```


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

```
.border{ border-color:rgb(128, 130, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 130, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 130, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 130, 158);  
box-shadow:4px 4px 4px 4px rgb(128, 130,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0563, 23.0231, 35.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 130, 158) }
```

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

```
.background{ background-color: rgb(128,  
130, 158) }
```

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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