

Converting Colors

XYZ(23.2299, 23.0925, 36.4907)

Have a look what the booklet for
XYZ(23.2299, 23.0925, 36.4907)
contains.

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Color

**XYZ(23.2299, 23.0925,
36.4907)**

Conversions

Conversions Part 1

Format	Color
Hex	8082A0
RGB	128, 130, 160
RGB Percent	50%, 51%, 63%
CMY	0.4980, 0.4902, 0.3725
CMYK	0.20, 0.19, 0.00, 0.37
HSL	236°, 14%, 56%
HSV	236°, 20%, 63%
XYZ	23.2299, 23.0925, 36.4907
YIQ	132.8220, -10.8220, 8.9060

Conversions

Conversions Part 2

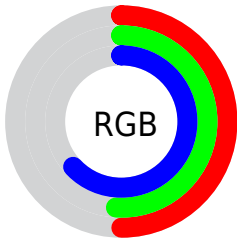
Format	Color
R_{YB}	128, 130, 160
Decimal	8422048
CIE Lab	55.17, 5.86, -16.22
CIE LCh	55, 17.244, 289.852
Yxy	23.0925, 0.2805, 0.2789
Android (android.graphics.Color)	4286612128 (0xFF8082A0)
YUV	132.8220, 13.3988, -4.2289
Hunter-Lab	48.0547, 2.1923, -11.3841

Details

The XYZ color **23.2299, 23.0925, 36.4907** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.6207, 33.4860, 25.2723**, and the grayscale version is **22.1859, 23.3412, 25.4186**.

A 20% lighter version of the original color is **48.2553, 48.5970, 71.1268**, and **8.7911, 8.5873, 15.3815** is the 20% darker color. If you saturate the color by 10%, you get **19.1587, 18.2451, 35.7700**, and if you desaturate by 10%, it is **27.9730, 28.7191, 37.3271**.

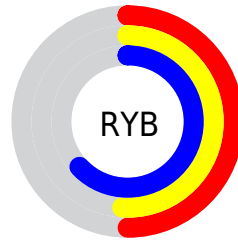
Distribution



Red (50%)

Green (51%)

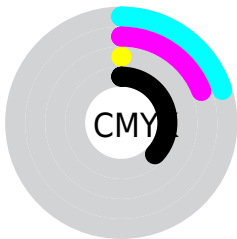
Blue (63%)



Red (50%)

Yellow (51%)

Blue (63%)

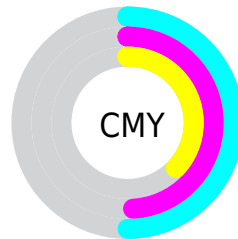


Cyan (20%)

Magenta (19%)

Yellow (0%)

Black (37%)



Cyan (50%)

Magenta (49%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2299, 23.0925, 36.4907 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 23.2299, 23.0925, 36.4907 by changing the saturation by 10% instead.

■ 23.2299, 23.0925,
36.4907

■ 23.2299, 23.0925,
36.4907

261.4170,
268.1997, 346.2023

■ 14.8850, 14.6618,
24.5207

■ 48.2344, 48.5452,
70.9663

■ 8.8245, 8.5824,
15.5046

■ 65.6248, 66.3359,
94.3091

■ 4.6831, 4.4698,
9.0237

■ 86.7609, 88.0156,
122.2798

■ 2.0954, 1.9397,
4.6596

112.0083,
113.9684, 155.2971

■ 0.6867, 0.5721,
1.9938

141.7322,
144.5788, 193.7794

■ 0.0000, 0.0000,
0.5514

176.2981,

■ 0.0000, 0.0000,

180.2313, 238.1454

0.0000

216.0712,
221.3101, 288.8135

■ 23.2299, 23.0925,
36.4907

■ 23.2299, 23.0925,
36.4907

■ 19.1587, 18.2451,
35.7700

■ 27.9730, 28.7191,
37.3271

■ 15.7268, 14.1400,
35.1585

■ 33.4140, 35.1542,
38.2825

■ 12.9025, 10.7412,
34.6514

■ 39.5805, 42.4291,
39.3616

■ 10.6501, 8.0090,
34.2427

■ 46.4978, 50.5724,
40.5689

■ 8.9306, 5.8993,
33.9261

■ 54.1899, 59.6115,
41.9082

■ 7.6999, 4.3631,
33.6945

■ 62.6799, 69.5725,
43.3834

■ 6.9067, 3.3438,
33.5395

■ 71.9897, 80.4806,
44.9982

■ 6.4539, 2.7553,
33.4498

■ 81.7708, 92.1693,
46.7388

■ 6.4538, 2.7553,
33.4498

■ 83.3452, 95.3181,
47.2636

Harmonies

Analogous

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



21.3030, 23.0925, 37.0889



23.2299, 23.0925, 36.4907



24.9014, 23.0925, 32.6168

Triad

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



23.2299, 23.0925, 36.4907



24.4229, 23.0925, 17.8800



18.5030, 23.0925, 23.3220

Complementary

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



23.2299, 23.0925, 36.4907



30.6207, 33.4860, 25.2723

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.



19.2392, 23.0925, 18.9094



23.2299, 23.0925, 36.4907



22.6074, 23.0925, 16.0858

Square

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



23.2299, 23.0925, 36.4907



25.6176, 23.0925, 21.7129



20.7156, 23.0925, 16.4329



18.6480, 23.0925, 28.9184

Rectangle

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



23.2299, 23.0925, 36.4907



25.6103, 23.0925, 28.9748



20.7156, 23.0925, 16.4329



18.6539, 23.0925, 21.6663

Sweetspot

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



23.2306, 23.0934, 36.4912



54.4735, 56.5050, 68.4220



27.6335, 32.1953, 37.0459



11.8198, 12.2421, 14.9836



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.



23.2306, 23.0934, 36.4912



38.7323, 37.8304, 65.6471



25.1974, 23.7161, 36.5077



6.3164, 6.4985, 8.3281



5.0397, 2.1709, 26.0606



0.0988, 0.0561, 0.4689

Inverse Universe

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



26.2463, 24.5243, 24.4704



45.2329, 40.9478, 39.7272



28.3454, 32.8238, 25.2644



6.6490, 6.6525, 7.0030



11.3420, 5.8414, 0.7861



0.2072, 0.1062, 0.0371

Previews

White Background



This preview shows how the XYZ color 23.2299, 23.0925, 36.4907 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 23.2299, 23.0925, 36.4907 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

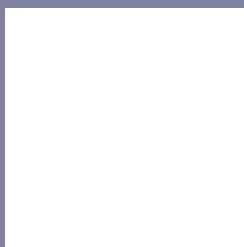
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2299, 23.0925, 36.4907

Background



This preview shows how black text looks on a background with the XYZ color 23.2299, 23.0925, 36.4907.



This preview shows how white text looks on a background with the XYZ color 23.2299, 23.0925,

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

23.2299, 23.0925, 36.4907

Protanopia

23.0068, 23.1658, 36.9771

Deuteranopia

23.5555, 23.0639, 36.4680



Tritanopia

21.8029, 23.1182, 29.2997

Trichromacy



Original Color

23.2299, 23.0925, 36.4907

Protanomaly

23.1535, 23.2414, 36.9839

Deuteranomaly

23.4013, 22.9844, 36.4608

Tritanomaly

22.2803, 23.1081, 31.7198

Monochromacy



Original Color

23.2299, 23.0925, 36.4907

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5693, 23.3110, 29.2965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2299, 23.0925, 36.4907 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(128, 130, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 130, 160) }
```

Border

The CSS property to change the border of an element to XYZ 23.2299, 23.0925, 36.4907 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, 160) }
```


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

```
.border{ border-color:rgb(128, 130, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 130, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 130, 160);  
box-shadow:4px 4px 4px 4px rgb(128, 130,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2299, 23.0925, 36.4907 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, 160) }
```

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

```
.background{ background-color: rgb(128,  
130, 160) }
```

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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