

Converting Colors

XYZ(23.1650, 23.5011, 31.2911)

Have a look what the booklet for
XYZ(23.1650, 23.5011, 31.2911)
contains.

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Color

**XYZ(23.2694, 23.6272,
31.3510)**

Conversions

Conversions Part 1

Format	Color
Hex	858494
RGB	133, 132, 148
RGB Percent	52%, 52%, 58%
CMY	0.4784, 0.4823, 0.4196
CMYK	0.10, 0.11, 0.00, 0.42
HSL	244°, 7%, 55%
HSV	244°, 11%, 58%
XYZ	23.2694, 23.6272, 31.3510
YIQ	134.1230, -4.5400, 5.1880

Conversions

Conversions Part 2

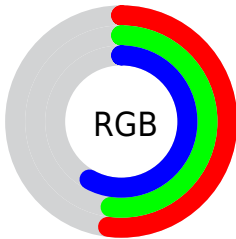
Format	Color
R_{YB}	133, 132, 148
Decimal	8750228
CIE Lab	55.71, 3.68, -8.42
CIE LCh	56, 9.195, 293.617
Yxy	23.6272, 0.2974, 0.3020
Android (android.graphics.Color)	4286940308 (0xFF858494)
YUV	134.1230, 6.8414, -0.9849
Hunter-Lab	48.6078, 0.3873, -4.2153

Details

The XYZ color **23.2694, 23.6272, 31.3510** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7883, 29.0494, 26.0262**, and the grayscale version is **22.6826, 23.8639, 25.9877**.

A 20% lighter version of the original color is **48.2593, 49.4013, 62.8690**, and **8.8182, 8.8886, 12.5602** is the 20% darker color. If you saturate the color by 10%, you get **19.3551, 18.8389, 30.6334**, and if you desaturate by 10%, it is **27.7593, 29.1362, 32.1781**.

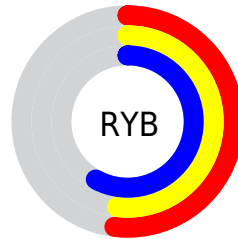
Distribution



Red (52%)

Green (52%)

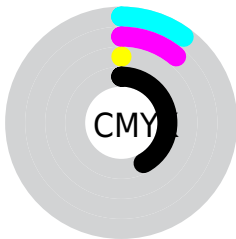
Blue (58%)



Red (52%)

Yellow (52%)

Blue (58%)

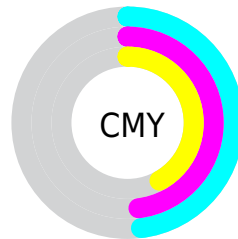


Cyan (10%)

Magenta (11%)

Yellow (0%)

Black (42%)



Cyan (48%)

Magenta (48%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2694, 23.6272, 31.3510 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 23.2694, 23.6272, 31.3510 by changing the saturation by 10% instead.

■ 23.2694, 23.6272,
31.3510

■ 23.2694, 23.6272,
31.3510

261.6153,
270.9303, 322.5533

■ 14.9143, 15.0573,
20.6056

■ 48.2987, 49.4212,
62.8783

■ 8.8452, 8.8596,
12.6476

■ 65.7037, 67.4140,
84.4973

■ 4.6967, 4.6497,
7.0584

■ 86.8560, 89.3166,
110.5778

■ 2.1033, 2.0432,
3.4197

112.1210,
115.5134, 141.5385

■ 0.6910, 0.6324,
1.3127

141.8641,
146.3888, 177.7978

■ 0.0000, 0.0000,
0.0722

176.4506,

■ 0.0000, 0.0000,

182.3271, 219.7744

0.0000

216.2459,
223.7128, 267.8867

■ 23.2694, 23.6272,
31.3510

■ 23.2694, 23.6272,
31.3510

■ 19.3551, 18.8389,
30.6334

■ 27.7593, 29.1362,
32.1781

■ 15.9912, 14.7386,
30.0193

■ 32.8445, 35.3909,
33.1173

■ 13.1536, 11.2956,
29.5043

■ 38.5466, 42.4187,
34.1733

■ 10.8155, 8.4758,
29.0832

■ 44.8852, 50.2447,
35.3498

■ 8.9480, 6.2417,
28.7504

■ 51.8792, 58.8930,
36.6504

■ 7.5192, 4.5522,
28.4996

■ 59.5466, 68.3864,
38.0788

■ 6.4930, 3.3605,
28.3237

■ 67.9048, 78.7473,
39.6381

■ 5.8277, 2.6120,
28.2143

■ 76.9706, 89.9967,
41.3316

■ 5.4609, 2.1977,
28.1537

■ 82.3454, 94.9181,
41.9983

Harmonies

Analogous

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



22.2349, 23.6272, 31.8616



23.2694, 23.6272, 31.3510



24.1092, 23.6272, 29.2828

Triad

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



23.2694, 23.6272, 31.3510



23.6668, 23.6272, 21.3766



20.5237, 23.6272, 25.0932

Complementary

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



23.2694, 23.6272, 31.3510



26.7883, 29.0494, 26.0262

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.



20.8819, 23.6272, 22.4696



23.2694, 23.6272, 31.3510



22.6805, 23.6272, 20.4334

Square

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



23.2694, 23.6272, 31.3510



24.3436, 23.6272, 23.4945



21.6636, 23.6272, 20.8176



20.6704, 23.6272, 28.0945

Rectangle

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



23.2694, 23.6272, 31.3510



24.4350, 23.6272, 27.3790



21.6636, 23.6272, 20.8176



20.5887, 23.6272, 24.1409

Sweetspot

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



23.2701, 23.6282, 31.3515



47.1061, 49.1082, 56.4307



25.3266, 27.9739, 32.0819



10.6106, 11.0352, 12.8556



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.2701, 23.6282, 31.3515



39.2736, 39.5042, 54.9897



24.5479, 24.2869, 31.4113



5.5310, 5.6492, 7.2686



4.6733, 1.8817, 24.0479



0.0638, 0.0265, 0.2946

Inverse Universe

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



25.7313, 24.9061, 31.0561



44.5170, 42.2269, 54.3473



25.4364, 28.3525, 25.9629



6.0199, 5.9030, 7.2107



14.4015, 6.9657, 21.3931



0.1801, 0.0868, 0.2819

Previews

White Background



This preview shows how the XYZ color 23.2694, 23.6272, 31.3510 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 23.2694, 23.6272, 31.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

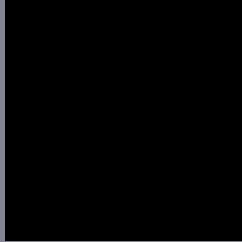
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

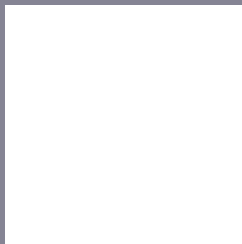
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2694, 23.6272, 31.3510

Background



This preview shows how black text looks on a background with the XYZ color 23.2694, 23.6272, 31.3510.



This preview shows how white text looks on a background with the XYZ color 23.2694, 23.6272,

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

23.2694, 23.6272, 31.3510

Protanopia

22.9566, 23.4659, 31.3364

Deuteranopia

23.9754, 23.5923, 31.3071



Tritanopia

22.8612, 23.6638, 29.3492

Trichromacy



Original Color

23.2694, 23.6272, 31.3510

Protanomaly

23.1123, 23.5462, 31.3437

Deuteranomaly

23.7781, 23.6891, 31.3362

Tritanomaly

23.0141, 23.7249, 30.1545

Monochromacy



Original Color

23.2694, 23.6272, 31.3510

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8792, 23.7075, 27.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2694, 23.6272, 31.3510 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(133, 132, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 132, 148)  
}
```

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(133, 132, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 132, 148) }
```

Border

The CSS property to change the border of an element to XYZ 23.2694, 23.6272, 31.3510 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(133, 132, 148) }
```


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

```
.border{ border-color:rgb(133, 132, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 132, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 132, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 132, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 132,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2694, 23.6272, 31.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 132, 148) }
```

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

```
.background{ background-color: rgb(133,  
132, 148) }
```

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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