

Converting Colors

XYZ(23.0507, 23.5960, 31.1834)

Have a look what the booklet for
XYZ(23.0507, 23.5960, 31.1834)
contains.

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Color

**XYZ(22.9566, 23.4659,
31.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	838494
RGB	131, 132, 148
RGB Percent	51%, 52%, 58%
CMY	0.4863, 0.4823, 0.4196
CMYK	0.11, 0.11, 0.00, 0.42
HSL	236°, 7%, 55%
HSV	236°, 11%, 58%
XYZ	22.9566, 23.4659, 31.3364
YIQ	133.5250, -5.7320, 4.7640

Conversions

Conversions Part 2

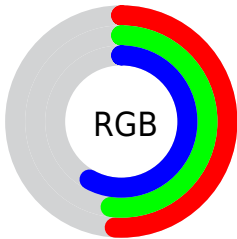
Format	Color
R_{YB}	131, 132, 148
Decimal	8619156
CIE Lab	55.55, 2.98, -8.69
CIE LCh	56, 9.183, 288.940
Yxy	23.4659, 0.2952, 0.3018
Android (android.graphics.Color)	4286809236 (0xFF838494)
YUV	133.5250, 7.1362, -2.2144
Hunter-Lab	48.4416, -0.1812, -4.4450

Details

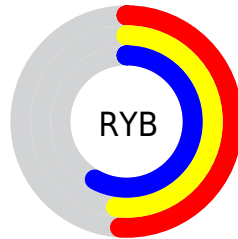
The XYZ color **22.9566, 23.4659, 31.3364** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7433, 28.8019, 25.6230**, and the grayscale version is **22.4626, 23.6324, 25.7357**.

A 20% lighter version of the original color is **47.7768, 49.1525, 62.8464**, and **8.7306, 8.8434, 12.5561** is the 20% darker color. If you saturate the color by 10%, you get **19.0619, 18.8395, 30.6491**, and if you desaturate by 10%, it is **27.4324, 28.7674, 32.1242**.

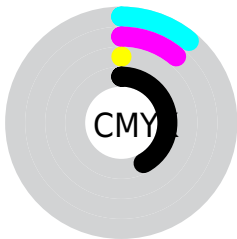
Distribution



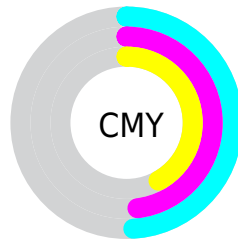
- Red (51%)
- Green (52%)
- Blue (58%)



- Red (51%)
- Yellow (52%)
- Blue (58%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



- Cyan (49%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9566, 23.4659, 31.3364 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 22.9566, 23.4659, 31.3364 by changing the saturation by 10% instead.

■ 22.9566, 23.4659,
31.3364

■ 22.9566, 23.4659,
31.3364

260.0415,
270.1090, 322.4842

■ 14.6820, 14.9379,
20.5945

■ 47.7892, 49.1572,
62.8551

■ 8.6814, 8.7758,
12.6396

■ 65.0780, 67.0893,
84.4690

■ 4.5894, 4.5952,
7.0530

■ 86.1021, 88.9249,
110.5440

■ 2.0407, 2.0118,
3.4163

111.2270,
115.0484, 141.4986

■ 0.6566, 0.6143,
1.3110

140.8181,
145.8441, 177.7514

■ 0.0000, 0.0000,
0.0707

175.2406,

■ 0.0000, 0.0000,

181.6966, 219.7209

0.0000

214.8600,
222.9900, 267.8256

■ 22.9566, 23.4659,
31.3364

■ 22.9566, 23.4659,
31.3364

■ 19.0619, 18.8395,
30.6491

■ 27.4324, 28.7674,
32.1242

■ 15.7224, 14.8583,
30.0566

■ 32.5095, 34.7666,
33.0145

■ 12.9134, 11.4946,
29.5554

■ 38.2097, 41.4884,
34.0115

■ 10.6076, 8.7173,
29.1409

■ 44.5533, 48.9559,
35.1186

■ 8.7752, 6.4929,
28.8081

■ 51.5594, 57.1911,
36.3388

7.3833, 4.7843,
28.5517

59.2466, 66.2148,
37.6755

6.3947, 3.5499,
28.3655

67.6324, 76.0475,
39.1314

5.7660, 2.7417,
28.2426

76.7341, 86.7085,
40.7094

5.4400, 2.3275,
28.1799

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.



21.9236, 23.4659, 31.5695



22.9566, 23.4659, 31.3364



23.8399, 23.4659, 29.4846

Triad

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



22.9566, 23.4659, 31.3364



23.6381, 23.4659, 21.4849



20.4048, 23.4659, 24.4713

Complementary

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



22.9566, 23.4659, 31.3364



26.7433, 28.8019, 25.6230

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.



20.8348, 23.4659, 21.9827



22.9566, 23.4659, 31.3364



22.6880, 23.4659, 20.3495

Square

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



22.9566, 23.4659, 31.3364



24.2417, 23.4659, 23.7427



21.6632, 23.4659, 20.5244



20.4717, 23.4659, 27.4476

Rectangle

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



22.9566, 23.4659, 31.3364



24.2151, 23.4659, 27.6561



21.6632, 23.4659, 20.5244



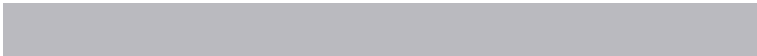
20.4955, 23.4659, 23.5543

Sweetspot

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



22.9573, 23.4669, 31.3369



47.0904, 49.2056, 56.4503



25.2064, 28.1079, 31.6462



10.6062, 11.0627, 12.8611



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.



22.9573, 23.4669, 31.3369



38.4854, 39.0074, 54.9354



24.0040, 23.8058, 31.3472



5.5253, 5.6846, 7.2758



4.6538, 2.0025, 24.0723



0.0624, 0.0354, 0.2964

Inverse Universe

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



24.4944, 24.1949, 25.2100



41.7972, 40.5852, 41.7326



25.6093, 28.4495, 25.6147



5.8138, 5.8206, 6.1258



10.4761, 5.3955, 0.7223



0.1310, 0.0671, 0.0233

Previews

White Background



This preview shows how the XYZ color 22.9566, 23.4659, 31.3364 looks on a white background.

Color Contrast Check

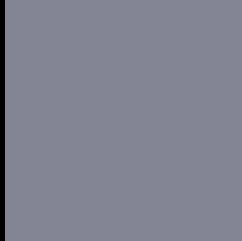
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9566, 23.4659, 31.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

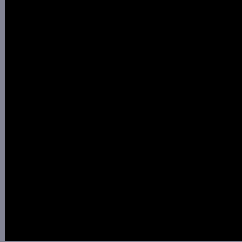
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9566, 23.4659, 31.3364

Background



This preview shows how black text looks on a background with the XYZ color 22.9566, 23.4659, 31.3364.



This preview shows how white text looks on a background with the XYZ color 22.9566, 23.4659,

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

22.9566, 23.4659, 31.3364

Protanopia

22.9566, 23.4659, 31.3364

Deuteranopia

23.9225, 23.3594, 31.6817



Tritanopia

22.5514, 23.5041, 29.3348

Trichromacy



Original Color

22.9566, 23.4659, 31.3364

Protanomaly

22.9566, 23.4659, 31.3364

Deuteranomaly

23.5608, 23.3694, 31.7027

Tritanomaly

22.7043, 23.5652, 30.1400

Monochromacy



Original Color

22.9566, 23.4659, 31.3364

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7206, 23.6257, 27.7888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9566, 23.4659, 31.3364 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(131, 132, 148)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 132, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 148) }
```

Border

The CSS property to change the border of an element to XYZ 22.9566, 23.4659, 31.3364 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(131, 132, 148) }
```


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

```
.border{ border-color:rgb(131, 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(131, 132, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 148);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9566, 23.4659, 31.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 148) }
```

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

```
.background{ background-color: rgb(131,  
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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