

Converting Colors

XYZ(29.6507, 31.3327, 35.9699)

Have a look what the booklet for
XYZ(29.6507, 31.3327, 35.9699)
contains.

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Color

**XYZ(29.6234, 31.2463,
35.9223)**

Conversions

Conversions Part 1

Format	Color
Hex	95989C
RGB	149, 152, 156
RGB Percent	58%, 60%, 61%
CMY	0.4157, 0.4039, 0.3882
CMYK	0.04, 0.03, 0.00, 0.39
HSL	214°, 3%, 60%
HSV	214°, 4%, 61%
XYZ	29.6234, 31.2463, 35.9223
YIQ	151.5590, -3.0720, 0.6080

Conversions

Conversions Part 2

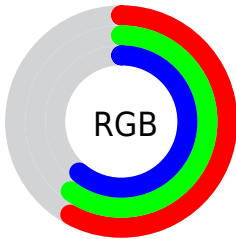
Format	Color
RYB	149, 151, 156
Decimal	9803932
CIELab	62.72, -0.29, -2.48
CIELCh	63, 2.498, 263.405
Yxy	31.2463, 0.3061, 0.3228
Android (android.graphics.Color)	4287994012 (0xFF95989C)
YUV	151.5590, 2.1894, -2.2442
Hunter-Lab	55.8984, -3.2260, 1.0270

Details

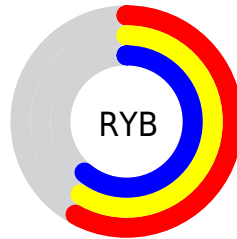
The XYZ color **29.6234, 31.2463, 35.9223** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5264, 32.0200, 33.0059**, and the grayscale version is **29.6477, 31.1916, 33.9677**.

A 20% lighter version of the original color is **58.3328, 61.4923, 69.7675**, and **12.2405, 12.9240, 15.2140** is the 20% darker color. If you saturate the color by 10%, you get **25.5738, 27.0929, 35.3345**, and if you desaturate by 10%, it is **34.1647, 35.8162, 36.5655**.

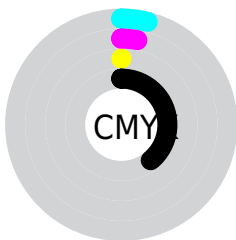
Distribution



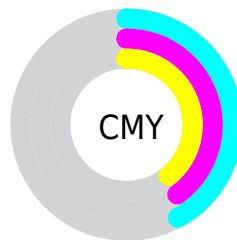
- Red (58%)
- Green (60%)
- Blue (61%)



- Red (58%)
- Yellow (59%)
- Blue (61%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (39%)



- Cyan (42%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6234, 31.2463, 35.9223 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 29.6234, 31.2463, 35.9223 by changing the saturation by 10% instead.

■ 29.6234, 31.2463,
35.9223

■ 29.6234, 31.2463,
35.9223

292.0865,
307.6714, 343.6479

■ 19.6996, 20.7865,
24.0850

■ 58.4568, 61.6276,
70.0798

■ 12.2838, 12.9680,
15.1839

■ 78.0971, 82.3179,
93.2371

■ 7.0109, 7.4065,
8.8005

101.7069,
107.1872, 121.0048

■ 3.5153, 3.7176,
4.5162

129.6517,
136.6198, 153.8014

■ 1.4318, 1.5169,
1.9126

162.2966,
171.0001, 192.0454

■ 0.2787, 0.3006,
0.5007

200.0072,

■ 0.0000, 0.0000,

210.7125, 236.1555

0.0000

243.1487,
256.1415, 286.5502

■ 29.6234, 31.2463,
35.9223

■ 29.6234, 31.2463,
35.9223

■ 25.5738, 27.0929,
35.3345

■ 34.1647, 35.8162,
36.5655

■ 21.9958, 23.3395,
34.7986

■ 39.2115, 40.8104,
37.2635

■ 18.8718, 19.9742,
34.3137

■ 44.7804, 46.2418,
38.0183

■ 16.1820, 16.9831,
33.8781

■ 50.8864, 52.1213,
38.8314

■ 13.9050, 14.3512,
33.4901

■ 57.5439, 58.4594,
39.7039

■ 12.0177, 12.0624,
33.1478

■ 64.7667, 65.2663,
40.6370

■ 10.4941, 10.0992,
32.8492

■ 71.3804, 71.9394,
41.5765

■ 9.3048, 8.4420,
32.5920

■ 73.7023, 76.5832,
42.3505

■ 8.4144, 7.0676,
32.3737

■ 76.1495, 81.4777,
43.1662

Harmonies

Analogous

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



29.3094, 31.2463, 35.5525



29.6234, 31.2463, 35.9223



29.9600, 31.2463, 35.7751

Triad

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



29.6234, 31.2463, 35.9223



30.3047, 31.2463, 33.2812



29.1752, 31.2463, 32.9143

Complementary

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



29.6234, 31.2463, 35.9223



30.5264, 32.0200, 33.0059

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.



29.4389, 31.2463, 32.3269



29.6234, 31.2463, 35.9223



30.0914, 31.2463, 32.5359

Square

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



29.6234, 31.2463, 35.9223



30.3550, 31.2463, 34.2381



29.7741, 31.2463, 32.1898



29.0518, 31.2463, 33.8066

Rectangle

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



29.6234, 31.2463, 35.9223



30.1517, 31.2463, 35.4050



29.7741, 31.2463, 32.1898



29.2502, 31.2463, 32.6753

Sweetspot

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



29.6243, 31.2476, 35.9230



56.5624, 59.5446, 65.6388



30.0304, 32.4658, 34.8068



12.4572, 13.1135, 14.4450



74.8435, 78.7412, 85.7492



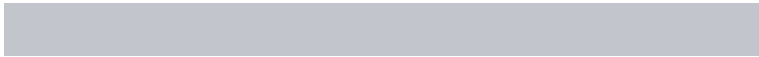
12.6291, 13.2868, 14.4694

Same Dimension

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



29.6243, 31.2476, 35.9230



53.3300, 56.2707, 65.1773



29.2284, 30.3293, 35.7666



6.8689, 7.2493, 8.4439



6.6248, 5.3412, 26.5890



0.1596, 0.1778, 0.4891

Inverse Universe

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



30.1259, 30.8304, 34.0703



54.3624, 55.4173, 61.3633



30.9339, 32.9688, 33.1675



7.0143, 7.1296, 7.9063



12.1421, 6.1614, 4.9994



0.2379, 0.1185, 0.1988

Previews

White Background



This preview shows how the XYZ color 29.6234, 31.2463, 35.9223 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.6234, 31.2463, 35.9223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

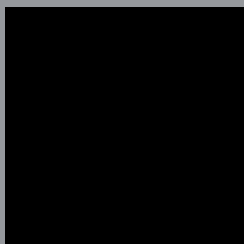
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

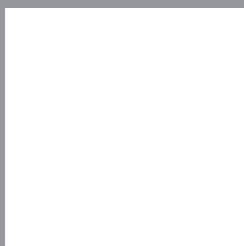
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6234, 31.2463, 35.9223

Background



This preview shows how black text looks on a background with the XYZ color 29.6234, 31.2463, 35.9223.



This preview shows how white text looks on a background with the XYZ color 29.6234, 31.2463,

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

29.6234, 31.2463, 35.9223

Protanopia

30.1199, 31.2721, 35.4590

Deuteranopia

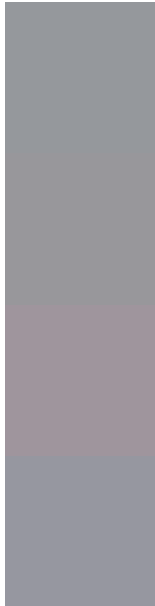
31.8294, 31.1943, 36.2418



Tritanopia

30.2551, 31.2616, 39.0898

Trichromacy



Original Color

29.6234, 31.2463, 35.9223

Protanomaly

29.9319, 31.1752, 35.4502

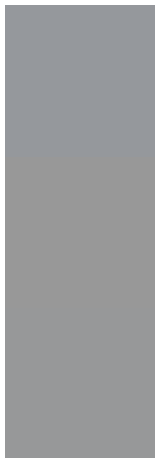
Deuteranomaly

31.1313, 31.3001, 36.2990

Tritanomaly

29.9894, 31.1553, 37.6907

Monochromacy



Original Color

29.6234, 31.2463, 35.9223

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7405, 31.3357, 34.6179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6234, 31.2463, 35.9223 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(149, 152, 156) looks like.

```
.text, #text, p{  
    color:rgb(149, 152, 156)  
}
```

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(149, 152, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 152, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.6234, 31.2463, 35.9223 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(149, 152, 156) }
```


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

```
.border{ border-color:rgb(149, 152, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 152, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 152, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 152, 156);  
box-shadow:4px 4px 4px 4px rgb(149, 152,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6234, 31.2463, 35.9223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 152, 156) }
```

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

```
.background{ background-color: rgb(149,  
152, 156) }
```

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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