

Converting Colors

XYZ(29.5947, 31.1965, 34.7964)

Have a look what the booklet for
XYZ(29.5947, 31.1965, 34.7964)
contains.

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Color

**XYZ(29.5557, 31.2404,
34.6092)**

Conversions

Conversions Part 1

Format	Color
Hex	969899
RGB	150, 152, 153
RGB Percent	59%, 60%, 60%
CMY	0.4118, 0.4039, 0.4000
CMYK	0.02, 0.01, 0.00, 0.40
HSL	200°, 1%, 59%
HSV	200°, 2%, 60%
XYZ	29.5557, 31.2404, 34.6092
YIQ	151.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

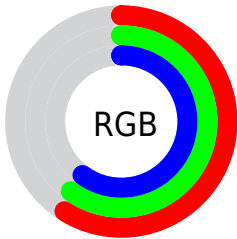
Format	Color
RYB	150, 151, 153
Decimal	9869465
CIELab	62.71, -0.52, -0.79
CIElCh	63, 0.944, 236.278
Yxy	31.2404, 0.3098, 0.3274
Android (android.graphics.Color)	4288059545 (0xFF969899)
YUV	151.5160, 0.7316, -1.3295
Hunter-Lab	55.8931, -3.4240, 2.4126

Details

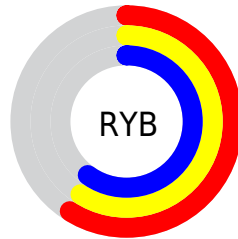
The XYZ color **29.5557, 31.2404, 34.6092** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7086, 31.1072, 33.2932**, and the grayscale version is **29.6348, 31.1781, 33.9530**.

A 20% lighter version of the original color is **58.2356, 61.4850, 67.8299**, and **12.1975, 12.9193, 14.4212** is the 20% darker color. If you saturate the color by 10%, you get **26.1142, 28.2675, 34.2172**, and if you desaturate by 10%, it is **33.4020, 34.4763, 35.0315**.

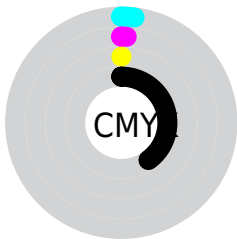
Distribution



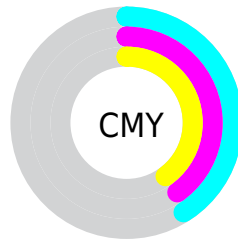
- Red (59%)
- Green (60%)
- Blue (60%)



- Red (59%)
- Yellow (59%)
- Blue (60%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5557, 31.2404, 34.6092 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 29.5557, 31.2404, 34.6092 by changing the saturation by 10% instead.

■ 29.5557, 31.2404,
34.6092

■ 29.5557, 31.2404,
34.6092

291.7751,
307.6443, 337.6917

■ 19.6480, 20.7820,
23.0809

■ 58.3503, 61.6184,
68.0246

■ 12.2462, 12.9647,
14.4474

■ 77.9679, 82.3067,
90.7487

■ 6.9850, 7.4043,
8.2902

101.5528,
107.1738, 118.0419

■ 3.4990, 3.7162,
4.1908

129.4705,
136.6040, 150.3226

■ 1.4228, 1.5161,
1.7306

162.0862,
170.9818, 188.0094

■ 0.2724, 0.3000,
0.3816

199.7652,

■ 0.0000, 0.0000,

210.6915, 231.5208

0.0000

242.8731,
256.1175, 281.2754

■ 29.5557, 31.2404,
34.6092

■ 29.5557, 31.2404,
34.6092

■ 26.1142, 28.2675,
34.2172

■ 33.4020, 34.4763,
35.0315

■ 23.0604, 25.5455,
33.8528

■ 37.6643, 37.9791,
35.4830

■ 20.3795, 23.0670,
33.5157

■ 42.3566, 41.7573,
35.9650

■ 18.0551, 20.8229,
33.2050

■ 47.4914, 45.8181,
36.4781

■ 16.0692, 18.8033,
32.9199

■ 53.0807, 50.1683,
37.0232

■ 14.4023, 16.9972,
32.6591

■ 59.1360, 54.8144,
37.6009

■ 13.0327, 15.3929,
32.4217

■ 64.8908, 59.3619,
38.1753

■ 11.9357, 13.9769,
32.2062

■ 65.9939, 61.5681,
38.5430

■ 11.0823, 12.7334,
32.0111

■ 67.1357, 63.8517,
38.9236

Harmonies

Analogous

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



29.4714, 31.2404, 34.3307



29.5557, 31.2404, 34.6092



29.6770, 31.2404, 34.7286

Triad

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



29.5557, 31.2404, 34.6092



29.9410, 31.2404, 34.0616



29.5835, 31.2404, 33.3831

Complementary

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



29.5557, 31.2404, 34.6092



29.7086, 31.1072, 33.2932

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.



29.7092, 31.2404, 33.3122



29.5557, 31.2404, 34.6092



29.9158, 31.2404, 33.7022

Square

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



29.5557, 31.2404, 34.6092



29.8997, 31.2404, 34.4110



29.8309, 31.2404, 33.4286



29.4874, 31.2404, 33.6230

Rectangle

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



29.5557, 31.2404, 34.6092



29.7626, 31.2404, 34.7013



29.8309, 31.2404, 33.4286



29.6237, 31.2404, 33.3388

Sweetspot

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



29.5566, 31.2417, 34.6099



53.5485, 56.4745, 62.0503



29.5513, 31.4997, 33.7799



11.8332, 12.4779, 13.7023



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.5566, 31.2417, 34.6099



52.8803, 55.9058, 61.9758



29.3223, 30.7731, 34.5318



6.8051, 7.1911, 7.9583



8.7208, 9.8383, 26.3470



0.1634, 0.2132, 0.4049

Inverse Universe

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



29.7114, 30.8526, 34.0965



53.1686, 55.1814, 61.0196



29.9438, 31.5776, 33.3716



6.8386, 7.1068, 7.8472



12.8606, 6.3985, 11.0570



0.2089, 0.1023, 0.2531

Previews

White Background



This preview shows how the XYZ color 29.5557, 31.2404, 34.6092 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 29.5557, 31.2404, 34.6092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

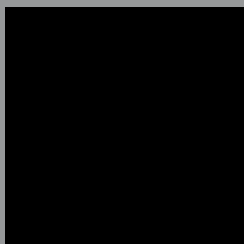
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

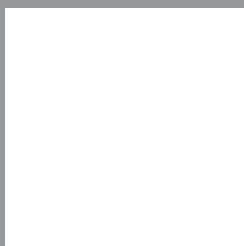
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5557, 31.2404, 34.6092

Background



This preview shows how black text looks on a background with the XYZ color 29.5557, 31.2404, 34.6092.



This preview shows how white text looks on a background with the XYZ color 29.5557, 31.2404,

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

29.5557, 31.2404, 34.6092

Protanopia

30.0605, 31.2702, 34.1572

Deuteranopia

31.7835, 31.1999, 34.9189



Tritanopia

30.3507, 31.3212, 38.6284

Trichromacy



Original Color

29.5557, 31.2404, 34.6092

Protanomaly

29.8710, 31.1725, 34.1483

Deuteranomaly

31.0774, 31.3016, 34.9757

Tritanomaly

30.0871, 31.2157, 37.2404

Monochromacy



Original Color

29.5557, 31.2404, 34.6092

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6582, 31.3028, 34.1846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5557, 31.2404, 34.6092 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(150, 152, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 152, 153)  
}
```

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(150, 152, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 152, 153) }
```

Border

The CSS property to change the border of an element to XYZ 29.5557, 31.2404, 34.6092 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(150, 152, 153) }
```


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

```
.border{ border-color:rgb(150, 152, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 152, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 152, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 152, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 152,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5557, 31.2404, 34.6092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 152, 153) }
```

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

```
.background{ background-color: rgb(150,  
152, 153) }
```

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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