

Converting Colors

XYZ(29.6543, 31.5254, 32.1954)

Have a look what the booklet for
XYZ(29.6543, 31.5254, 32.1954)
contains.

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Color

**XYZ(29.6066, 31.5644,
32.1359)**

Conversions

Conversions Part 1

Format	Color
Hex	989993
RGB	152, 153, 147
RGB Percent	60%, 60%, 58%
CMY	0.4039, 0.4000, 0.4235
CMYK	0.01, 0.00, 0.04, 0.40
HSL	70°, 3%, 59%
HSV	70°, 4%, 60%
XYZ	29.6066, 31.5644, 32.1359
YIQ	152.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

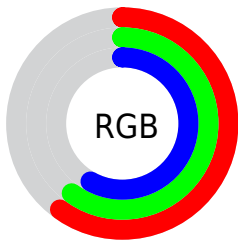
Format	Color
RYB	147, 153, 148
Decimal	10000787
CIELab	62.98, -1.50, 3.01
CIELCh	63, 3.366, 116.430
Yxy	31.5644, 0.3173, 0.3383
Android (android.graphics.Color)	4288190867 (0xFF989993)
YUV	152.0170, -2.4734, -0.0149
Hunter-Lab	56.1822, -4.2539, 5.4140

Details

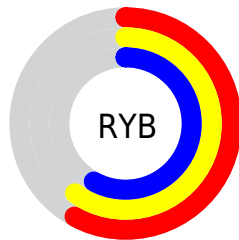
The XYZ color **29.6066, 31.5644, 32.1359** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.3974, 29.4641, 34.3290**, and the grayscale version is **29.8630, 31.4182, 34.2144**.

A 20% lighter version of the original color is **58.3090, 61.9645, 64.1455**, and **12.2295, 13.1140, 12.9530** is the 20% darker color. If you saturate the color by 10%, you get **28.0122, 30.8730, 26.2053**, and if you desaturate by 10%, it is **31.3728, 32.3278, 38.9095**.

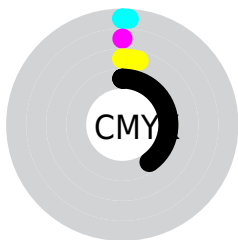
Distribution



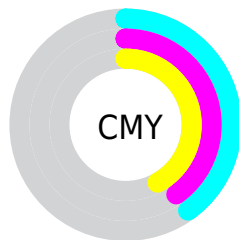
- Red (60%)
- Green (60%)
- Blue (58%)



- Red (58%)
- Yellow (60%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6066, 31.5644, 32.1359 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 29.6066, 31.5644, 32.1359 by changing the saturation by 10% instead.

■ 29.6066, 31.5644,
32.1359

■ 29.6066, 31.5644,
32.1359

292.0092,
309.1301, 326.2496

■ 19.6868, 21.0290,
21.1996

■ 58.4304, 62.1276,
64.1245

■ 12.2745, 13.1452,
13.0774

■ 78.0651, 82.9241,
86.0138

■ 7.0044, 7.5286,
7.3505

101.6687,
107.9099, 112.3913

■ 3.5112, 3.7948,
3.6005

129.6067,
137.4692, 143.6755

■ 1.4295, 1.5595,
1.4088

162.2444,
171.9865, 180.2849

■ 0.2771, 0.3300,
0.1486

199.9472,

■ 0.0000, 0.0000,

211.8462, 222.6380

0.0000

243.0803,
257.4326, 271.1534

■ 29.6066, 31.5644,
32.1359

■ 29.6066, 31.5644,
32.1359

■ 28.0122, 30.8730,
26.2053

■ 31.3728, 32.3278,
38.9095

■ 26.5806, 30.2469,
21.0827

■ 33.3142, 33.1613,
46.5552

■ 25.3060, 29.6847,
16.7336

■ 35.4372, 34.0688,
55.1031

■ 24.1811, 29.1837,
13.1204

■ 37.7474, 35.0523,
64.5816

■ 23.1982, 28.7405,
10.2022

■ 40.2498, 36.1140,
75.0174

■ 22.3487, 28.3519,
7.9341

■ 42.9494, 37.2558,
86.4365

■ 21.6229, 28.0139,
6.2660

■ 45.8511, 38.4796,
98.8637

■ 21.0099, 27.7222,
5.1407

■ 46.5524, 38.8245,
99.6480

■ 20.4967, 27.4715,
4.4892

■ 47.1206, 39.1174,
99.6746

Harmonies

Analogous

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



30.0565, 31.5644, 31.8865



29.6066, 31.5644, 32.1359



29.2655, 31.5644, 32.9780

Triad

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



29.6066, 31.5644, 32.1359



29.5116, 31.5644, 36.5361



30.8981, 31.5644, 34.5272

Complementary

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



29.6066, 31.5644, 32.1359



28.3974, 29.4641, 34.3290

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.



30.7487, 31.5644, 35.7971



29.6066, 31.5644, 32.1359



29.9456, 31.5644, 36.9756

Square

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



29.6066, 31.5644, 32.1359



29.2111, 31.5644, 35.5154



30.3989, 31.5644, 36.7017



30.8051, 31.5644, 33.2461

Rectangle

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



29.6066, 31.5644, 32.1359



29.1441, 31.5644, 33.7737



30.3989, 31.5644, 36.7017



30.8745, 31.5644, 34.9698

Sweetspot

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



29.6075, 31.5658, 32.1366



53.9069, 56.9111, 60.9136



28.9943, 30.0596, 31.8782



11.9074, 12.5683, 13.4667



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.



29.6075, 31.5658, 32.1366



52.6695, 56.3756, 56.2241



29.0532, 31.2800, 32.1106



6.7451, 7.2304, 7.1556



16.7277, 22.5993, 3.4805



0.2738, 0.3501, 0.0531

Inverse Universe

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



28.3974, 29.4641, 34.3290



49.8745, 51.5213, 61.2879



28.9470, 29.7474, 34.3547



6.3567, 6.5558, 7.8593



5.1152, 2.0880, 25.0411



0.0977, 0.0422, 0.3754

Previews

White Background



This preview shows how the XYZ color 29.6066, 31.5644, 32.1359 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 29.6066, 31.5644, 32.1359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

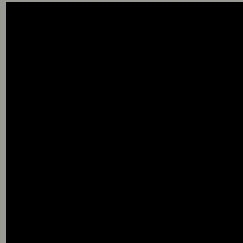
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.6066, 31.5644, 32.1359

Background



This preview shows how black text looks on a background with the XYZ color 29.6066, 31.5644, 32.1359.



This preview shows how white text looks on a background with the XYZ color 29.6066, 31.5644,

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

29.6066, 31.5644, 32.1359

Protanopia

30.1268, 31.5997, 31.7056

Deuteranopia

32.1412, 31.4406, 32.3916



Tritanopia

31.0039, 31.6476, 39.1248

Trichromacy



Original Color

29.6066, 31.5644, 32.1359

Protanomaly

29.9341, 31.5004, 31.6966

Deuteranomaly

31.1970, 31.4195, 32.4373

Tritanomaly

30.4509, 31.6631, 36.4049

Monochromacy



Original Color

29.6066, 31.5644, 32.1359

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6822, 31.3339, 33.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6066, 31.5644, 32.1359 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(152, 153, 147)` looks like.

```
.text, #text, p{  
    color:rgb(152, 153, 147)  
}
```

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(152, 153, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 153, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.6066, 31.5644, 32.1359 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(152, 153, 147) }
```


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

```
.border{ border-color:rgb(152, 153, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 153, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 153, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 153, 147);  
box-shadow:4px 4px 4px 4px rgb(152, 153,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6066, 31.5644, 32.1359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 153, 147) }
```

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

```
.background{ background-color: rgb(152,  
153, 147) }
```

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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