

Converting Colors

XYZ(30.0007, 31.7025, 4.5725)

Have a look what the booklet for
XYZ(30.0007, 31.7025, 4.5725)
contains.

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Color

**XYZ(29.9679, 31.6386,
4.5561)**

Conversions

Conversions Part 1

Format	Color
Hex	B59601
RGB	181, 150, 1
RGB Percent	71%, 59%, 0%
CMY	0.2902, 0.4117, 0.9960
CMYK	0.00, 0.17, 0.99, 0.29
HSL	50°, 99%, 36%
HSV	50°, 99%, 71%
XYZ	29.9679, 31.6386, 4.5561
YIQ	142.2830, 66.3050, -39.7670

Conversions

Conversions Part 2

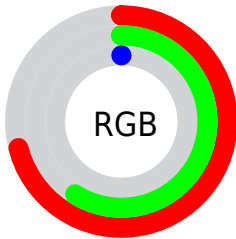
Format	Color
RYB	38, 181, 1
Decimal	11900417
CIELab	63.04, -0.39, 66.85
CIElCh	63, 66.848, 90.336
Yxy	31.6386, 0.4529, 0.4782
Android (android.graphics.Color)	4290090497 (0xFFB59601)
YUV	142.2830, -69.6525, 33.9548
Hunter-Lab	56.2482, -3.3332, 34.5713

Details

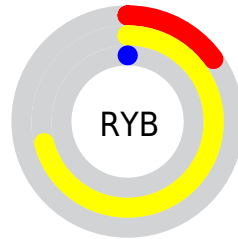
The XYZ color **29.9679, 31.6386, 4.5561** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **8.8698, 4.3761, 44.0930**, and the grayscale version is **26.0738, 27.4317, 29.8731**.

A 20% lighter version of the original color is **59.0711, 62.3675, 15.2281**, and **12.7256, 13.3253, 1.9013** is the 20% darker color. If you saturate the color by 10%, you get **29.9353, 31.5823, 4.5182**, and if you desaturate by 10%, it is **30.5856, 32.6934, 5.3196**.

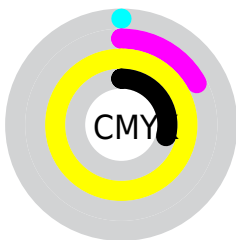
Distribution



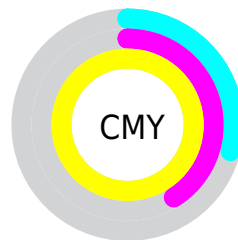
- Red (71%)
- Green (59%)
- Blue (0%)



- Red (15%)
- Yellow (71%)
- Blue (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (99%)
- Black (29%)



- Cyan (29%)
- Magenta (41%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9679, 31.6386, 4.5561 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 29.9679, 31.6386, 4.5561 by changing the saturation by 10% instead.

■ 29.9679, 31.6386,
4.5561

■ 29.9679, 31.6386,
4.5561

293.6673,
309.4697, 154.2193

■ 19.9622, 21.0856,
1.9351

■ 58.9984, 62.2441,
15.2732

■ 12.4757, 13.1866,
0.5149

■ 78.7539, 83.0654,
24.2065

■ 7.1430, 7.5572,
0.0000

■ 102.4900,
108.0782, 36.0809

■ 3.5988, 3.8129,
0.0000

■ 130.5720,
137.6670, 51.3150

■ 1.4778, 1.5695,
0.0000

■ 163.3655,
172.2162, 70.3273

■ 0.3106, 0.3369,
0.0000

■ 201.2356,

■ 0.0000, 0.0000,

212.1101, 93.5365

0.0000

■ 244.5477,
257.7331, 121.3609

■ 29.9679, 31.6386,
4.5561

■ 29.9679, 31.6386,
4.5561

■ 29.9353, 31.5823,
4.5182

■ 30.5856, 32.6934,
5.3196

■ 31.3218, 33.8157,
6.6441

■ 32.2124, 35.0213,
8.7158

■ 33.2760, 36.3177,
11.6314

■ 34.5282, 37.7113,
15.4730

■ 35.9827, 39.2078,
20.3128

■ 37.6522, 40.8124,
26.2160

■ 39.5480, 42.5298,
33.2423

■ 41.6806, 44.3644,
41.4468

Harmonies

Analogous

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



39.7101, 31.6386, 6.5072



29.9679, 31.6386, 4.5561



21.9882, 31.6386, 6.6055

Triad

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



29.9679, 31.6386, 4.5561



17.2355, 31.6386, 66.9196



48.2237, 31.6386, 66.1215

Complementary

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



29.9679, 31.6386, 4.5561



8.8698, 4.3761, 44.0930

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.



39.9268, 31.6386, 99.3380



29.9679, 31.6386, 4.5561



22.1344, 31.6386, 99.9413

Square

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



29.9679, 31.6386, 4.5561



15.6169, 31.6386, 34.7471



30.1754, 31.6386, 114.0720



51.4719, 31.6386, 34.1528

Rectangle

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



29.9679, 31.6386, 4.5561



18.4000, 31.6386, 11.1655



30.1754, 31.6386, 114.0720



45.8592, 31.6386, 77.9937

Sweetspot

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



29.9686, 31.6401, 4.5567



67.0987, 72.7804, 45.7378



19.3558, 9.9612, 2.4167



14.2279, 15.4696, 8.9056



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.9686, 31.6401, 4.5567



53.4655, 56.2671, 8.0427



24.8420, 37.3351, 5.9262



9.0701, 9.6527, 9.0376



20.6814, 21.8614, 3.1297



0.6835, 0.7534, 0.1094

Inverse Universe

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



8.8698, 4.3761, 44.0930



15.7100, 7.5197, 78.9180



10.0969, 4.2580, 44.0055



8.1564, 8.4589, 10.7092



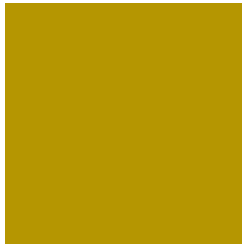
6.1269, 3.0542, 30.4036



0.2286, 0.1677, 0.9686

Previews

White Background



This preview shows how the XYZ color 29.9679, 31.6386, 4.5561 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 29.9679, 31.6386, 4.5561 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 29.9679, 31.6386, 4.5561

Background



This preview shows how black text looks on a background with the XYZ color 29.9679, 31.6386, 4.5561.

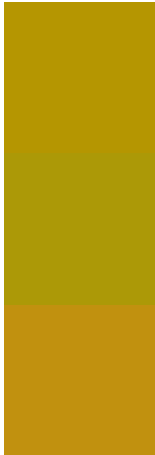


This preview shows how white text looks on a background with the XYZ color 29.9679, 31.6386,

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

29.9679, 31.6386, 4.5561

Protanopia

28.4428, 31.5685, 4.7952

Deuteranopia

32.2039, 31.6227, 4.8584



Tritanopia

35.7239, 31.4861, 33.0487

Trichromacy



Original Color

29.9679, 31.6386, 4.5561

Protanomaly

28.9348, 31.5814, 4.7144

Deuteranomaly

31.4748, 31.7082, 4.7485

Tritanomaly

32.1835, 30.9286, 15.3399

Monochromacy



Original Color

29.9679, 31.6386, 4.5561

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.7240, 28.0740, 13.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9679, 31.6386, 4.5561 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(181, 150, 1)` looks like.

```
.text, #text, p{  
    color:rgb(181, 150, 1)  
}
```

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(181, 150, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 150, 1) }
```

Border

The CSS property to change the border of an element to XYZ 29.9679, 31.6386, 4.5561 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(181, 150, 1) }
```


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

```
.border{ border-color:rgb(181, 150, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 150, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 150, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 150, 1);  
box-shadow:4px 4px 4px 4px rgb(181, 150,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9679, 31.6386, 4.5561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 150, 1) }
```

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

```
.background{ background-color: rgb(181,  
150, 1) }
```

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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