

Converting Colors

XYZ(30.0719, 33.1546, 5.6716)

Have a look what the booklet for
XYZ(30.0719, 33.1546, 5.6716)
contains.

XYZ(29.9578, 33.0730, 5.6689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9578, 33.0730,
5.6689)**

Conversions

Conversions Part 1

Format	Color
Hex	B09C18
RGB	176, 156, 24
RGB Percent	69%, 61%, 9%
CMY	0.3098, 0.3882, 0.9059
CMYK	0.00, 0.11, 0.86, 0.31
HSL	52°, 76%, 39%
HSV	52°, 86%, 69%
XYZ	29.9578, 33.0730, 5.6689
YIQ	146.9320, 54.2920, -36.8120

Conversions

Conversions Part 2

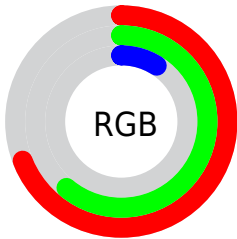
Format	Color
RYB	47, 176, 24
Decimal	11574296
CIELab	64.22, -5.50, 63.63
CIELCh	64, 63.867, 94.943
Yxy	33.0730, 0.4361, 0.4814
Android (android.graphics.Color)	4289764376 (0xFFB09C18)
YUV	146.9320, -60.6055, 25.4926
Hunter-Lab	57.5091, -7.6563, 34.4119

Details

The XYZ color **29.9578, 33.0730, 5.6689** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.1139, 5.1303, 41.5838**, and the grayscale version is **27.9330, 29.3877, 32.0032**.

A 20% lighter version of the original color is **58.9078, 64.3954, 17.7123**, and **12.6593, 14.0251, 2.0399** is the 20% darker color. If you saturate the color by 10%, you get **29.4439, 32.2530, 4.8576**, and if you desaturate by 10%, it is **30.5968, 33.9575, 7.0956**.

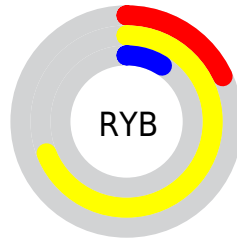
Distribution



 Red (69%)

 Green (61%)

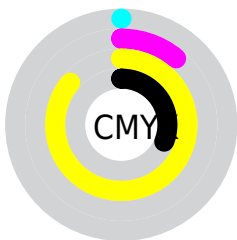
 Blue (9%)



 Red (18%)

 Yellow (69%)

 Blue (9%)

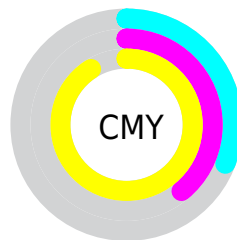



 Cyan (0%)

 Magenta (11%)

 Yellow (86%)

 Black (31%)



 Cyan (31%)


 Magenta (39%)


 Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9578, 33.0730, 5.6689 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 29.9578, 33.0730, 5.6689 by changing the saturation by 10% instead.


 29.9578, 33.0730,
5.6689


 29.9578, 33.0730,
5.6689


293.6211,
315.9785, 165.2808

 19.9545, 22.1824,
2.5793


 58.9825, 64.4895,
17.7053

 12.4700, 13.9910,
0.8817


 78.7346, 85.7841,
27.4893

 7.1391, 8.1144,
0.0000


 102.4670,
111.3156, 40.3417

 3.5964, 4.1682,
0.0000

 130.5451,
141.4682, 56.6813

 1.4764, 1.7681,
0.0000

 163.3342,
176.6264, 76.9264

 0.3097, 0.4672,
0.0000

 201.1996,

 0.0000, 0.0000,

217.1746, 101.4957

0.0000

244.5068,
263.4972, 130.8076

■ 29.9578, 33.0730,
5.6689

■ 29.9578, 33.0730,
5.6689

■ 29.4439, 32.2530,
4.8576

■ 30.5968, 33.9575,
7.0956

■ 29.2705, 31.9624,
4.6266

■ 31.3803, 34.9104,
9.2503

■ 32.3255, 35.9400,
12.2187

■ 33.4461, 37.0518,
16.0744

■ 34.7547, 38.2508,
20.8824

■ 36.2625, 39.5417,
26.7018

■ 37.9798, 40.9287,
33.5869

■ 39.9162, 42.4156,
41.5880

■ 42.0808, 44.0061,
50.7523

Harmonies

Analogous

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



39.4042, 33.0730, 7.0879



29.9578, 33.0730, 5.6689



22.4764, 33.0730, 8.6440

Triad

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



29.9578, 33.0730, 5.6689



19.2092, 33.0730, 72.8066



50.0017, 33.0730, 61.5397

Complementary

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



29.9578, 33.0730, 5.6689



9.1139, 5.1303, 41.5838

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.



42.5043, 33.0730, 94.3349



29.9578, 33.0730, 5.6689



24.6198, 33.0730, 102.7412

Square

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



29.9578, 33.0730, 5.6689



17.0786, 33.0730, 40.4825



32.9598, 33.0730, 112.0818



52.1781, 33.0730, 31.8813

Rectangle

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



29.9578, 33.0730, 5.6689



19.2235, 33.0730, 14.2850



32.9598, 33.0730, 112.0818



47.9580, 33.0730, 72.9368

Sweetspot

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



29.9585, 33.0746, 5.6696



65.7411, 71.6934, 48.3192



18.6908, 10.0675, 3.3679



14.0387, 15.3621, 9.6563



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.9585, 33.0746, 5.6696



52.9677, 57.7300, 8.3513



23.4731, 35.1286, 6.4079



9.0998, 9.7122, 9.0476



21.5071, 23.5127, 3.4049



0.7030, 0.7925, 0.1159

Inverse Universe

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



9.1139, 5.1303, 41.5838



14.6819, 6.6233, 74.9999



11.4493, 5.4822, 41.5286



8.1291, 8.4044, 10.7001



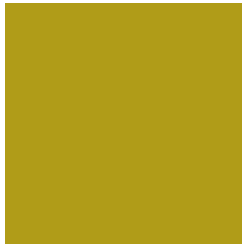
6.0022, 2.8047, 30.3620



0.2173, 0.1452, 0.9648

Previews

White Background



This preview shows how the XYZ color 29.9578, 33.0730, 5.6689 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 29.9578, 33.0730, 5.6689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

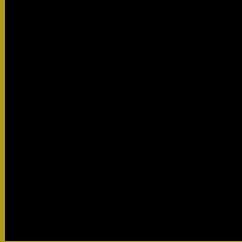
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9578, 33.0730, 5.6689

Background



This preview shows how black text looks on a background with the XYZ color 29.9578, 33.0730, 5.6689.



This preview shows how white text looks on a background with the XYZ color 29.9578, 33.0730,

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

29.9578, 33.0730, 5.6689

Protanopia

29.9578, 33.0730, 5.6689

Deuteranopia

33.5892, 33.0093, 5.8294



Tritanopia

36.1337, 32.9654, 35.9110

Trichromacy



Original Color

29.9578, 33.0730, 5.6689

Protanomaly

29.9578, 33.0730, 5.6689

Deuteranomaly

32.2625, 33.0359, 5.7748

Tritanomaly

32.7456, 32.5227, 18.7390

Monochromacy



Original Color

29.9578, 33.0730, 5.6689

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.4052, 30.0411, 16.9245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9578, 33.0730, 5.6689 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(176, 156, 24)` looks like.

```
.text, #text, p{  
    color:rgb(176, 156, 24)  
}
```

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(176, 156, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 156, 24) }
```

Border

The CSS property to change the border of an element to XYZ 29.9578, 33.0730, 5.6689 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(176, 156, 24) }
```


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

```
.border{ border-color:rgb(176, 156, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 156, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 156, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 156, 24);  
box-shadow:4px 4px 4px 4px rgb(176, 156,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9578, 33.0730, 5.6689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 156, 24) }
```

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

```
.background{ background-color: rgb(176,  
156, 24) }
```

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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