

Converting Colors

XYZ(30.2201, 34.5850, 16.6877)

Have a look what the booklet for
XYZ(30.2201, 34.5850, 16.6877)
contains.

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Color

**XYZ(30.2292, 34.5090,
16.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A262
RGB	163, 162, 98
RGB Percent	64%, 64%, 38%
CMY	0.3608, 0.3647, 0.6157
CMYK	0.00, 0.01, 0.40, 0.36
HSL	59°, 26%, 51%
HSV	59°, 40%, 64%
XYZ	30.2292, 34.5090, 16.6229
YIQ	155.0030, 21.1400, -19.6920

Conversions

Conversions Part 2

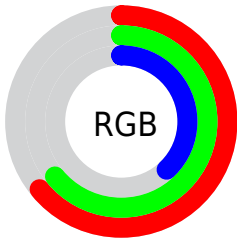
Format	Color
RYB	99, 163, 98
Decimal	10723938
CIELab	65.36, -9.41, 33.39
CIElCh	65, 34.693, 105.742
Yxy	34.5090, 0.3715, 0.4241
Android (android.graphics.Color)	4288914018 (0xFFA3A262)
YUV	155.0030, -28.1025, 7.0134
Hunter-Lab	58.7444, -10.9485, 24.3438

Details

The XYZ color **30.2292, 34.5090, 16.6229** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1097, 14.1644, 36.5353**, and the grayscale version is **31.2717, 32.9002, 35.8283**.

A 20% lighter version of the original color is **59.5313, 66.8878, 38.6272**, and **12.6906, 14.9142, 5.2275** is the 20% darker color. If you saturate the color by 10%, you get **29.4931, 34.1455, 12.9595**, and if you desaturate by 10%, it is **31.1239, 34.9386, 21.1132**.

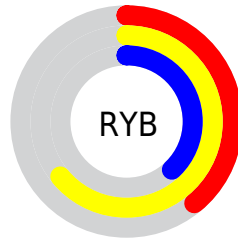
Distribution



Red (64%)

Green (64%)

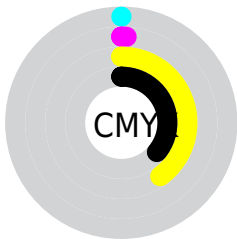
Blue (38%)



Red (39%)

Yellow (64%)

Blue (38%)

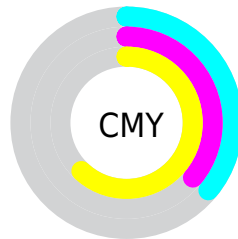


Cyan (0%)

Magenta (1%)

Yellow (40%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2292, 34.5090, 16.6229 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 30.2292, 34.5090, 16.6229 by changing the saturation by 10% instead.

30.2292, 34.5090,
16.6229

30.2292, 34.5090,
16.6229

294.8620,
322.3957, 244.9597

20.1616, 23.2849,
9.8069

59.4086, 66.7244,
38.4580

12.6215, 14.8040,
5.1672

79.2511, 88.4845,
54.3141

7.2436, 8.6820,
2.2852

103.0825,
114.5255, 74.0208

3.6626, 4.5343,
0.7229

131.2683,
145.2316, 97.9964

1.5131, 1.9767,
0.0000

164.1738,
180.9872, 126.6596

0.3347, 0.5939,
0.0000

202.1644,

0.0000, 0.0000,

222.1769, 160.4288

0.0000

245.6053,
269.1849, 199.7227

■ 30.2292, 34.5090,
16.6229

■ 30.2292, 34.5090,
16.6229

■ 29.4931, 34.1455,
12.9595

■ 31.1239, 34.9386,
21.1132

■ 28.9034, 33.8394,
10.0705

■ 32.1833, 35.4330,
26.4745

■ 28.4503, 33.5881,
7.9007

■ 33.4165, 35.9970,
32.7502

■ 28.1218, 33.3868,
6.3864

■ 34.8310, 36.6337,
39.9804

■ 27.9038, 33.2298,
5.4534

■ 36.4340, 37.3459,
48.2026

■ 27.7640, 33.1043,
4.9322

■ 38.2322, 38.1363,
57.4524

■ 27.7624, 33.1028,
4.9262

■ 40.2320, 39.0076,
67.7635

■ 42.4396, 39.9621,
79.1683

■ 44.8608, 41.0021,
91.6976

Harmonies

Analogous

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



35.2560, 34.5090, 16.5147



30.2292, 34.5090, 16.6229



26.3106, 34.5090, 21.2839

Triad

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



30.2292, 34.5090, 16.6229



26.4648, 34.5090, 61.2851



43.1672, 34.5090, 44.8670

Complementary

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



30.2292, 34.5090, 16.6229



16.1097, 14.1644, 36.5353

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.



40.2767, 34.5090, 60.5806



30.2292, 34.5090, 16.6229



30.4603, 34.5090, 71.5860

Square

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



30.2292, 34.5090, 16.6229



24.2947, 34.5090, 45.6563



35.5121, 34.5090, 71.2993



43.0889, 34.5090, 30.5074

Rectangle

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



30.2292, 34.5090, 16.6229



24.7017, 34.5090, 27.2454



35.5121, 34.5090, 71.2993



42.4986, 34.5090, 50.2309

Sweetspot

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



30.2301, 34.5106, 16.6236



59.2995, 64.2192, 55.8651



21.7283, 17.4247, 14.0438



13.2560, 14.3949, 12.2294



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



30.2301, 34.5106, 16.6236



52.9379, 61.2115, 23.7933



24.7527, 31.9484, 16.4178



7.6401, 8.2186, 7.5638



21.5798, 25.7334, 3.8297



0.4562, 0.5462, 0.0814

Inverse Universe

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



16.1097, 14.1644, 36.5353



24.0289, 19.5580, 64.5647



20.0956, 16.0799, 36.6950



6.7088, 6.8765, 8.8768



5.1620, 2.1035, 27.0637



0.1109, 0.0491, 0.5695

Previews

White Background



This preview shows how the XYZ color 30.2292, 34.5090, 16.6229 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 30.2292, 34.5090, 16.6229 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

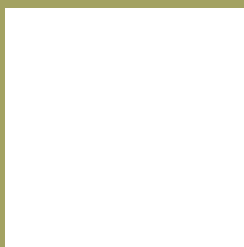
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2292, 34.5090, 16.6229

Background



This preview shows how black text looks on a background with the XYZ color 30.2292, 34.5090, 16.6229.



This preview shows how white text looks on a background with the XYZ color 30.2292, 34.5090,

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

30.2292, 34.5090, 16.6229

Protanopia

31.7894, 34.5436, 16.3014

Deuteranopia

35.0143, 34.4529, 16.8612



Tritanopia

35.2331, 34.5223, 40.8829

Trichromacy



Original Color

30.2292, 34.5090, 16.6229

Protanomaly

31.0907, 34.4397, 16.3181

Deuteranomaly

33.1967, 34.5015, 16.7142

Tritanomaly

33.0131, 34.3619, 30.0918

Monochromacy



Original Color

30.2292, 34.5090, 16.6229

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6305, 33.4441, 27.3952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2292, 34.5090, 16.6229 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(163, 162, 98)` looks like.

```
.text, #text, p{  
    color:rgb(163, 162, 98)  
}
```

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(163, 162, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 162, 98) }
```

Border

The CSS property to change the border of an element to XYZ 30.2292, 34.5090, 16.6229 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(163, 162, 98) }
```


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

```
.border{ border-color:rgb(163, 162, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 162, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 162, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 162, 98);  
box-shadow:4px 4px 4px 4px rgb(163, 162,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2292, 34.5090, 16.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 162, 98) }
```

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

```
.background{ background-color: rgb(163,  
162, 98) }
```

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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