

Converting Colors

XYZ(31.9147, 30.6705, 6.3006)

Have a look what the booklet for
XYZ(31.9147, 30.6705, 6.3006)
contains.

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Color

**XYZ(32.0656, 30.8436,
6.3612)**

Conversions

Conversions Part 1

Format	Color
Hex	C18E29
RGB	193, 142, 41
RGB Percent	76%, 56%, 16%
CMY	0.2431, 0.4431, 0.8392
CMYK	0.00, 0.26, 0.79, 0.24
HSL	40°, 65%, 46%
HSV	40°, 79%, 76%
XYZ	32.0656, 30.8436, 6.3612
YIQ	145.7350, 62.8170, -20.5990

Conversions

Conversions Part 2

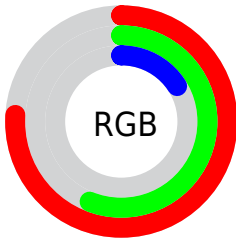
Format	Color
R _Y B	118, 193, 41
Decimal	12684841
CIE Lab	62.38, 10.25, 57.52
CIE LCh	62, 58.431, 79.899
Yxy	30.8436, 0.4629, 0.4453
Android (android.graphics.Color)	4290874921 (0xFFC18E29)
YUV	145.7350, -51.6344, 41.4514
Hunter-Lab	55.5370, 5.8714, 32.0848

Details

The XYZ color **32.0656, 30.8436, 6.3612** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.3671, 11.9756, 52.0061**, and the grayscale version is **27.4006, 28.8276, 31.3932**.

A 20% lighter version of the original color is **62.0435, 60.7210, 19.0400**, and **13.8188, 12.8052, 1.7433** is the 20% darker color. If you saturate the color by 10%, you get **30.8723, 28.8705, 4.6896**, and if you desaturate by 10%, it is **33.4813, 32.9977, 8.9217**.

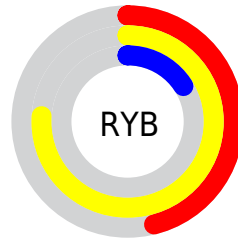
Distribution



Red (76%)

Green (56%)

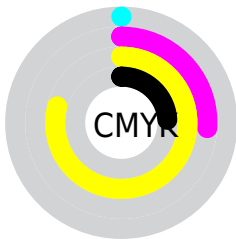
Blue (16%)



Red (46%)

Yellow (76%)

Blue (16%)

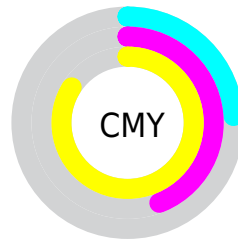


Cyan (0%)

Magenta (26%)

Yellow (79%)

Black (24%)



Cyan (24%)


Magenta (44%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0656, 30.8436, 6.3612 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 32.0656, 30.8436, 6.3612 by changing the saturation by 10% instead.


 32.0656, 30.8436,
6.3612


 32.0656, 30.8436,
6.3612


303.1580,
305.8171, 171.6693


 21.5674, 20.4798,
2.9936


 62.2784, 60.9938,
19.1666


 13.6542, 12.7443,
1.0914


 82.7237, 81.5489,
29.4414

 7.9606, 7.2527,
0.0000


 107.2155,
106.2699, 42.8558

 4.1214, 3.6206,
0.0000

 136.1190,
135.5412, 59.8283

 1.7710, 1.4637,
0.0000

 169.7997,
169.7472, 80.7773

 0.5001, 0.2630,
0.0000

 208.6228,

 0.0000, 0.0000,

209.2722, 106.1214

0.0000

252.9538,
254.5008, 136.2792

■ 32.0656, 30.8436,
6.3612

■ 32.0656, 30.8436,
6.3612

■ 30.8723, 28.8705,
4.6896

■ 33.4813, 32.9977,
8.9217

■ 29.8629, 27.0578,
3.7178

■ 35.1395, 35.3386,
12.4818

■ 29.7439, 26.8407,
3.6131

■ 37.0600, 37.8769,
17.1379

■ 39.2595, 40.6207,
22.9744

■ 41.7535, 43.5775,
30.0673

■ 44.5558, 46.7541,
38.4865

■ 47.6795, 50.1573,
48.2963

■ 51.1368, 53.7930,
59.5570

■ 54.9392, 57.6673,
72.3255

Harmonies

Analogous

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



40.2465, 30.8436, 10.0668



32.0656, 30.8436, 6.3612



24.4373, 30.8436, 7.0177

Triad

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



32.0656, 30.8436, 6.3612



17.2127, 30.8436, 50.7004



42.5586, 30.8436, 70.1870

Complementary

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



32.0656, 30.8436, 6.3612



14.3671, 11.9756, 52.0061

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.



34.8041, 30.8436, 93.4599



32.0656, 30.8436, 6.3612



20.5686, 30.8436, 79.1431

Square

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



32.0656, 30.8436, 6.3612



16.7455, 30.8436, 26.5075



26.7281, 30.8436, 97.3219



46.9865, 30.8436, 41.8183

Rectangle

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



32.0656, 30.8436, 6.3612



20.6012, 30.8436, 10.0226



26.7281, 30.8436, 97.3219



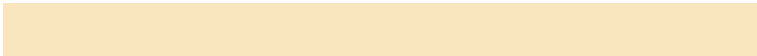
40.1956, 30.8436, 79.3186

Sweetspot

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



32.0663, 30.8451, 6.3618



76.9096, 80.4902, 60.1542



24.8147, 13.7353, 11.9806



16.1234, 16.8368, 11.7885



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



32.0663, 30.8451, 6.3618



53.8799, 49.1771, 7.0163



36.0910, 46.8682, 9.2424



10.6196, 11.1706, 10.6583



19.8594, 18.0046, 2.4285



0.9195, 0.9007, 0.1254

Inverse Universe

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



14.3671, 11.9756, 52.0061



21.2379, 14.6568, 92.0700



12.5202, 6.5198, 51.0503



9.7983, 10.2879, 12.7542



7.7166, 5.1897, 34.1516



0.3977, 0.3528, 1.4970

Previews

White Background



This preview shows how the XYZ color 32.0656, 30.8436, 6.3612 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 32.0656, 30.8436, 6.3612 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 32.0656, 30.8436, 6.3612

Background



This preview shows how black text looks on a background with the XYZ color 32.0656, 30.8436, 6.3612.



This preview shows how white text looks on a background with the XYZ color 32.0656, 30.8436,

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

32.0656, 30.8436, 6.3612

Protanopia

28.0802, 30.8537, 6.7609

Deuteranopia

31.4407, 30.7453, 6.2848



Tritanopia

36.8986, 30.9003, 30.0062

Trichromacy



Original Color

32.0656, 30.8436, 6.3612

Protanomaly

29.3679, 30.8120, 6.5899

Deuteranomaly

31.6913, 30.8745, 6.2965

Tritanomaly

34.4316, 30.5192, 17.7117

Monochromacy



Original Color

32.0656, 30.8436, 6.3612

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.9364, 29.1200, 18.3357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0656, 30.8436, 6.3612 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(193, 142, 41)` looks like.

```
.text, #text, p{  
    color:rgb(193, 142, 41)  
}
```

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(193, 142, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 142, 41) }
```

Border

The CSS property to change the border of an element to XYZ 32.0656, 30.8436, 6.3612 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(193, 142, 41) }
```


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

```
.border{ border-color:rgb(193, 142, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 142, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 142, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 142, 41);  
box-shadow:4px 4px 4px 4px rgb(193, 142,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0656, 30.8436, 6.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 142, 41) }
```

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

```
.background{ background-color: rgb(193,  
142, 41) }
```

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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