

Converting Colors

XYZ(36.9598, 32.6380, 6.5709)

Have a look what the booklet for
XYZ(36.9598, 32.6380, 6.5709)
contains.

XYZ(37.0911, 32.7785, 6.5625)	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(37.0911, 32.7785,
6.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	D58B2A
RGB	213, 139, 42
RGB Percent	84%, 55%, 16%
CMY	0.1647, 0.4549, 0.8353
CMYK	0.00, 0.35, 0.80, 0.16
HSL	34°, 67%, 50%
HSV	34°, 80%, 84%
XYZ	37.0911, 32.7785, 6.5625
YIQ	150.0680, 75.2410, -14.4790

Conversions

Conversions Part 2

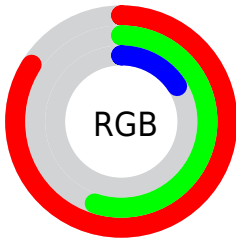
Format	Color
R_{YB}	172, 213, 42
Decimal	13994794
CIE _{Lab}	63.98, 20.64, 59.48
CIE _{LCh}	64, 62.961, 70.868
Yxy	32.7785, 0.4853, 0.4289
Android (android.graphics.Color)	4292184874 (0xFFD58B2A)
YUV	150.0680, -53.2775, 55.1914
Hunter-Lab	57.2525, 15.4495, 33.2807

Details

The XYZ color **37.0911, 32.7785, 6.5625** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **19.2102, 17.7865, 65.3710**, and the grayscale version is **29.2159, 30.7374, 33.4731**.

A 20% lighter version of the original color is **62.3755, 60.2262, 19.1637**, and **16.7092, 13.9171, 1.8056** is the 20% darker color. If you saturate the color by 10%, you get **35.5276, 30.1083, 4.6341**, and if you desaturate by 10%, it is **38.9710, 35.7581, 9.5953**.

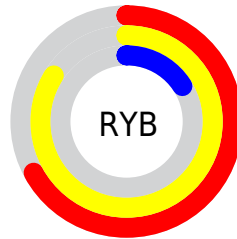
Distribution



Red (84%)

Green (55%)

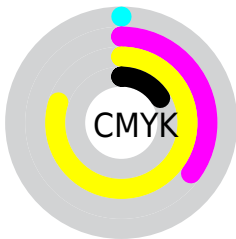
Blue (16%)



Red (67%)

Yellow (84%)

Blue (16%)

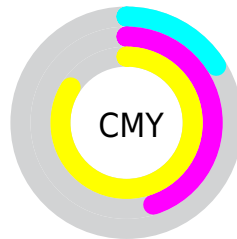


Cyan (0%)

Magenta (35%)

Yellow (80%)

Black (16%)



Cyan (16%)


Magenta (45%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0911, 32.7785, 6.5625 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 37.0911, 32.7785, 6.5625 by changing the saturation by 10% instead.


 37.0911, 32.7785,
6.5625


 37.0911, 32.7785,
6.5625


325.0535,
314.6505, 173.4679


 25.4520, 21.9568,
3.1158


 70.0258, 64.0296,
19.5852

 16.5447, 13.8252,
1.1540


 92.0521, 85.2277,
29.9982


 10.0037, 7.9992,
0.0000


 118.2716,
110.6535, 43.5704

 5.4637, 4.0944,
0.0000

 149.0496,
140.6913, 60.7203

 2.5593, 1.7265,
0.0000

 184.7514,
175.7255, 81.8664

 0.9253, 0.4407,
0.0000

 225.7424,

 0.0000, 0.0000,

216.1405, 107.4274

0.0000

272.3880,
262.3207, 137.8217

■ 37.0911, 32.7785,
6.5625

■ 37.0911, 32.7785,
6.5625

■ 35.5276, 30.1083,
4.6341

■ 38.9710, 35.7581,
9.5953

■ 34.2571, 27.7795,
3.5564

■ 41.1959, 39.0587,
13.8798

■ 43.7928, 42.6965,
19.5425

■ 46.7850, 46.6848,
26.6936

■ 50.1935, 51.0360,
35.4318

■ 54.0378, 55.7615,
45.8478

■ 58.3357, 60.8722,
58.0248

■ 63.1043, 66.3784,
72.0408

■ 68.3593, 72.2899,
87.9690

Harmonies

Analogous

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



45.9282, 32.7785, 12.3078



37.0911, 32.7785, 6.5625



28.0462, 32.7785, 5.9903

Triad

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



37.0911, 32.7785, 6.5625



17.2184, 32.7785, 45.7234



43.7116, 32.7785, 86.8922

Complementary

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



37.0911, 32.7785, 6.5625



19.2102, 17.7865, 65.3710

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.



34.4854, 32.7785, 108.4435



37.0911, 32.7785, 6.5625



19.9473, 32.7785, 78.1844

Square

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



37.0911, 32.7785, 6.5625



17.6508, 32.7785, 21.9459



25.8886, 32.7785, 104.6629



50.2242, 32.7785, 54.2299

Rectangle

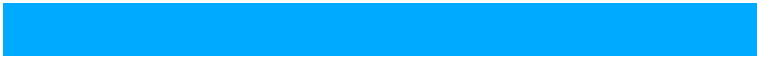
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.0911, 32.7785, 6.5625



23.1923, 32.7785, 8.0254



25.8886, 32.7785, 104.6629



40.7588, 32.7785, 96.2448

Sweetspot

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



37.0918, 32.7802, 6.5631



78.8411, 80.9180, 62.3846



31.4268, 17.0656, 18.1917



16.4341, 16.7760, 12.1624



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.0918, 32.7802, 6.5631



52.0544, 42.7993, 5.8104



48.4610, 60.2561, 11.2673



13.0020, 13.5782, 13.0963



21.0292, 17.1756, 2.2069



1.3500, 1.1991, 0.1603

Inverse Universe

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



19.2102, 17.7865, 65.3710



24.4381, 19.8066, 97.1428



14.3278, 7.2281, 63.5903



12.1802, 12.8838, 15.7824



9.7805, 7.8228, 39.4476



0.6713, 0.6346, 2.4064

Previews

White Background



This preview shows how the XYZ color 37.0911, 32.7785, 6.5625 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 37.0911, 32.7785, 6.5625 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 37.0911, 32.7785, 6.5625

Background



This preview shows how black text looks on a background with the XYZ color 37.0911, 32.7785, 6.5625.



This preview shows how white text looks on a background with the XYZ color 37.0911, 32.7785,

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

37.0911, 32.7785, 6.5625

Protanopia

29.8372, 32.9729, 7.3766

Deuteranopia

33.4454, 32.9219, 6.4255



Tritanopia

41.5563, 32.7348, 28.5543

Trichromacy



Original Color

37.0911, 32.7785, 6.5625

Protanomaly

32.1190, 32.6935, 7.1002

Deuteranomaly

34.8487, 32.9538, 6.4435

Tritanomaly

39.2051, 32.3735, 17.2791

Monochromacy



Original Color

37.0911, 32.7785, 6.5625

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3817, 30.5897, 19.3420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0911, 32.7785, 6.5625 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(213, 139, 42)` looks like.

```
.text, #text, p{  
    color:rgb(213, 139, 42)  
}
```

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(213, 139, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 139, 42) }
```

Border

The CSS property to change the border of an element to XYZ 37.0911, 32.7785, 6.5625 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(213, 139, 42) }
```


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

```
.border{ border-color:rgb(213, 139, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 139, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 139, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 139, 42);  
box-shadow:4px 4px 4px 4px rgb(213, 139,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0911, 32.7785, 6.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 139, 42) }
```

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

```
.background{ background-color: rgb(213,  
139, 42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor