

Converting Colors

XYZ(37.1572, 35.7204, 16.0575)

Have a look what the booklet for
XYZ(37.1572, 35.7204, 16.0575)
contains.

XYZ(37.3220, 35.9064, 16.0299)	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(37.3220, 35.9064,
16.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	C89960
RGB	200, 153, 96
RGB Percent	78%, 60%, 38%
CMY	0.2157, 0.4000, 0.6235
CMYK	0.00, 0.23, 0.52, 0.22
HSL	33°, 49%, 58%
HSV	33°, 52%, 78%
XYZ	37.3220, 35.9064, 16.0299
YIQ	160.5550, 46.3090, -7.7630

Conversions

Conversions Part 2

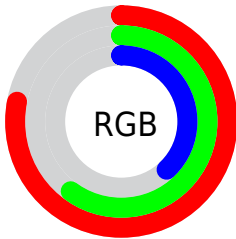
Format	Color
RYB	182, 200, 96
Decimal	13146464
CIELab	66.45, 10.76, 36.55
CIElCh	66, 38.097, 73.598
Yxy	35.9064, 0.4181, 0.4023
Android (android.graphics.Color)	4291336544 (0xFFC89960)
YUV	160.5550, -31.8256, 34.5933
Hunter-Lab	59.9219, 6.3142, 26.0845

Details

The XYZ color **37.3220, 35.9064, 16.0299** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.0712, 26.3008, 58.3986**, and the grayscale version is **33.7985, 35.5586, 38.7233**.

A 20% lighter version of the original color is **68.8981, 68.0238, 37.5156**, and **16.6126, 15.5558, 4.9233** is the 20% darker color. If you saturate the color by 10%, you get **35.0923, 32.7380, 11.3073**, and if you desaturate by 10%, it is **39.8997, 39.3961, 22.0248**.

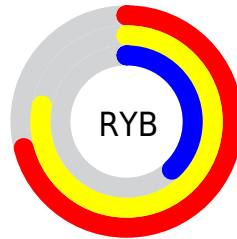
Distribution



Red (78%)

Green (60%)

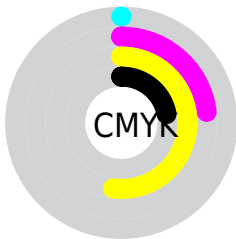
Blue (38%)



Red (71%)

Yellow (78%)

Blue (38%)

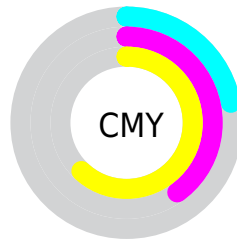


Cyan (0%)

Magenta (23%)

Yellow (52%)

Black (22%)



Cyan (22%)


Magenta (40%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3220, 35.9064, 16.0299 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 37.3220, 35.9064, 16.0299 by changing the saturation by 10% instead.


 37.3220, 35.9064,
16.0299


 37.3220, 35.9064,
16.0299


326.0339,
328.5513, 241.3698


 25.6317, 24.3619,
9.3907


 70.3784, 68.8876,
37.4176

 16.6796, 15.6023,
4.8966

 92.4752, 91.0930,
53.0032

 10.1002, 9.2432,
2.1291


 118.7715,
117.6210, 72.4081

 5.5282, 4.9001,
0.6330

 149.6327,
148.8558, 96.0507

 2.5983, 2.1888,
0.0000

185.4243,
185.1818, 124.3497

 0.9451, 0.7139,
0.0000

226.5114,

 0.0000, 0.0000,

226.9834, 157.7235

0.0000

273.2595,
274.6451, 196.5907

■ 37.3220, 35.9064,
16.0299

■ 37.3220, 35.9064,
16.0299

■ 35.0923, 32.7380,
11.3073

■ 39.8997, 39.3961,
22.0248

■ 33.1875, 29.8734,
7.7586

■ 42.8415, 43.2132,
29.3762

■ 31.5850, 27.3010,
5.2741

■ 46.1653, 47.3699,
38.1634

■ 30.2573, 25.0056,
3.7221

■ 49.8871, 51.8761,
48.4589

■ 29.3548, 23.3503,
2.9599

■ 54.0216, 56.7414,
60.3305

■ 58.5830, 61.9747,
73.8415

■ 63.5845, 67.5848,
89.0520

■ 68.8773, 73.5152,
105.1674

■ 71.3900, 78.5406,
106.0049

Harmonies

Analogous

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



42.7095, 35.9064, 21.1790



37.3220, 35.9064, 16.0299



31.6120, 35.9064, 15.8112

Triad

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



37.3220, 35.9064, 16.0299



24.5329, 35.9064, 46.9616



42.2700, 35.9064, 66.5640

Complementary

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



37.3220, 35.9064, 16.0299



25.0712, 26.3008, 58.3986

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.



36.7740, 35.9064, 78.2980



37.3220, 35.9064, 16.0299



26.7805, 35.9064, 65.0250

Square

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



37.3220, 35.9064, 16.0299



24.6446, 35.9064, 30.8746



31.1215, 35.9064, 77.6671



45.7768, 35.9064, 48.6607

Rectangle

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



37.3220, 35.9064, 16.0299



28.4076, 35.9064, 18.3235



31.1215, 35.9064, 77.6671



40.5688, 35.9064, 71.5578

Sweetspot

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



37.3229, 35.9081, 16.0306



83.5611, 86.4411, 76.0330



33.0774, 22.6754, 29.2335



17.5984, 18.1540, 15.4810



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.



37.3229, 35.9081, 16.0306



60.4419, 56.2189, 18.9505



45.6695, 53.9604, 19.0751



11.1076, 11.5844, 11.2133



18.7555, 15.0282, 1.9122



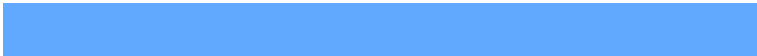
0.9597, 0.8549, 0.1144

Inverse Universe

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



25.0712, 26.3008, 58.3986



37.0349, 37.8875, 99.9688



19.8052, 15.2153, 56.5364



10.4448, 11.0636, 13.5025



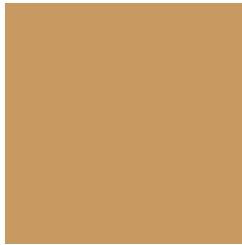
9.0607, 7.5153, 35.7174



0.5011, 0.5001, 1.7153

Previews

White Background



This preview shows how the XYZ color 37.3220, 35.9064, 16.0299 looks on a white background.

Color Contrast Check

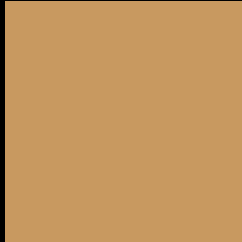
Large Text (above 18pt) WCAG AA × Fail

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 37.3220, 35.9064, 16.0299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

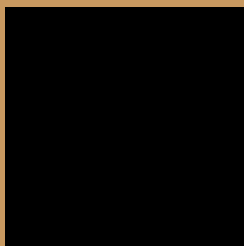
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3220, 35.9064, 16.0299

Background



This preview shows how black text looks on a background with the XYZ color 37.3220, 35.9064, 16.0299.



This preview shows how white text looks on a background with the XYZ color 37.3220, 35.9064,

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

37.3220, 35.9064, 16.0299

Protanopia

33.3039, 36.0886, 17.0149

Deuteranopia

36.6929, 35.8260, 16.0475



Tritanopia

41.5415, 35.9712, 36.6520

Trichromacy



Original Color

37.3220, 35.9064, 16.0299

Protanomaly

34.6103, 35.9924, 16.6783

Deuteranomaly

36.9556, 35.9615, 16.0598

Tritanomaly

39.7492, 35.9407, 27.7639

Monochromacy



Original Color

37.3220, 35.9064, 16.0299

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.4214, 35.3738, 28.6805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3220, 35.9064, 16.0299 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(200, 153, 96)` looks like.

```
.text, #text, p{  
    color:rgb(200, 153, 96)  
}
```

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(200, 153, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 96) }
```

Border

The CSS property to change the border of an element to XYZ 37.3220, 35.9064, 16.0299 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(200, 153, 96) }
```


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

```
.border{ border-color:rgb(200, 153, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 153, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 96);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3220, 35.9064, 16.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 96) }
```

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

```
.background{ background-color: rgb(200,  
153, 96) }
```

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