

Converting Colors

XYZ(35.6797, 30.7622, 7.7986)

Have a look what the booklet for
XYZ(35.6797, 30.7622, 7.7986)
contains.

XYZ(35.6797, 30.7622, 7.7986)	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(35.6797, 30.7622,
7.7986)**

Conversions

Conversions Part 1

Format	Color
Hex	D28538
RGB	210, 133, 56
RGB Percent	82%, 52%, 22%
CMY	0.1765, 0.4784, 0.7804
CMYK	0.00, 0.37, 0.73, 0.18
HSL	30°, 63%, 52%
HSV	30°, 73%, 82%
XYZ	35.6797, 30.7622, 7.7986
YIQ	147.2450, 70.6090, -7.6230

Conversions

Conversions Part 2

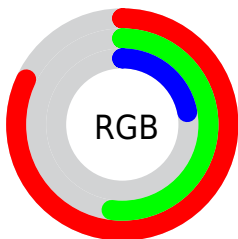
Format	Color
R _Y B	210, 210, 56
Decimal	13796664
CIE Lab	62.31, 23.16, 51.95
CIE LCh	62, 56.881, 65.973
Yxy	30.7622, 0.4806, 0.4144
Android (android.graphics.Color)	4291986744 (0xFFD28538)
YUV	147.2450, -44.9838, 55.0361
Hunter-Lab	55.4637, 17.7673, 30.4880

Details

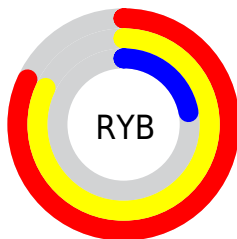
The XYZ color **35.6797, 30.7622, 7.7986** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.6508, 22.2680, 64.1294**, and the grayscale version is **27.9954, 29.4534, 32.0747**.

A 20% lighter version of the original color is **61.4527, 57.4393, 21.7579**, and **15.6709, 12.6705, 1.6197** is the 20% darker color. If you saturate the color by 10%, you get **33.9035, 27.8667, 5.1822**, and if you desaturate by 10%, it is **37.8163, 34.0344, 11.5978**.

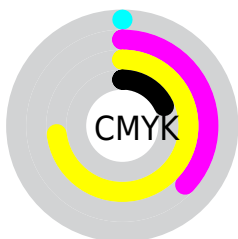
Distribution



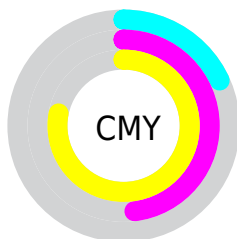
- Red (82%)
- Green (52%)
- Blue (22%)



- Red (82%)
- Yellow (82%)
- Blue (22%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (18%)





- Cyan (18%)
- Magenta (48%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6797, 30.7622, 7.7986 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 35.6797, 30.7622, 7.7986 by changing the saturation by 10% instead.


 35.6797, 30.7622,
7.7986


 35.6797, 30.7622,
7.7986


319.0141,
305.4413, 184.0189


 24.3559, 20.4178,
3.8804


 67.8645, 60.8655,
22.1023

 15.7240, 12.6991,
1.5600


 89.4562, 81.3932,
33.3249


 9.4187, 7.2217,
0.2620


 115.2013,
106.0841, 47.8193

 5.0745, 3.6011,
0.0000

 145.4650,
135.3227, 66.0042

 2.3263, 1.4530,
0.0000

 180.6128,
169.4933, 88.2981

 0.8081, 0.2553,
0.0000

 221.0100,

 0.0000, 0.0000,

208.9804, 115.1195

0.0000

267.0220,
254.1682, 146.8869

■ 35.6797, 30.7622,
7.7986

■ 35.6797, 30.7622,
7.7986

■ 33.9035, 27.8667,
5.1822

■ 37.8163, 34.0344,
11.5978

■ 32.4524, 25.3232,
3.5930

■ 40.3393, 37.6961,
16.7059

■ 31.6304, 23.8060,
2.9279

■ 43.2739, 41.7652,
23.2343

■ 46.6426, 46.2563,
31.2819

■ 50.4657, 51.1834,
40.9389

■ 54.7623, 56.5597,
52.2881

■ 59.5501, 62.3978,
65.4067

■ 64.8460, 68.7094,
80.3671

■ 70.6659, 75.5062,
97.2377

Harmonies

Analogous

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



42.9073, 30.7622, 14.2735



35.6797, 30.7622, 7.7986



27.7271, 30.7622, 6.5684

Triad

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



35.6797, 30.7622, 7.7986



16.8632, 30.7622, 38.0964



38.8096, 30.7622, 80.7655

Complementary

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



35.6797, 30.7622, 7.7986



21.6508, 22.2680, 64.1294

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.



30.8040, 30.7622, 95.7070



35.6797, 30.7622, 7.7986



18.8329, 30.7622, 65.0247

Square

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



35.6797, 30.7622, 7.7986



17.7087, 30.7622, 19.0454



23.6234, 30.7622, 88.9494



44.9247, 30.7622, 53.8579

Rectangle

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



35.6797, 30.7622, 7.7986



23.2307, 30.7622, 8.0309



23.6234, 30.7622, 88.9494



36.2020, 30.7622, 87.7888

Sweetspot

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



35.6804, 30.7638, 7.7992



78.9931, 80.2907, 65.3062



32.2262, 18.2237, 24.0097



16.5396, 16.7177, 13.0273



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.



35.6804, 30.7638, 7.7992



51.2756, 40.9439, 6.4693



50.3385, 60.0800, 12.6852



12.2901, 12.7709, 12.4293



19.3948, 14.7226, 1.8195



1.1638, 0.9819, 0.1282

Inverse Universe

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



21.6508, 22.2680, 64.1294



28.3945, 27.0880, 98.3397



14.6781, 8.3226, 61.8052



11.6450, 12.3803, 15.0195



10.2774, 9.2015, 38.4269



0.6540, 0.6732, 2.1750

Previews

White Background



This preview shows how the XYZ color 35.6797, 30.7622, 7.7986 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 35.6797, 30.7622, 7.7986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

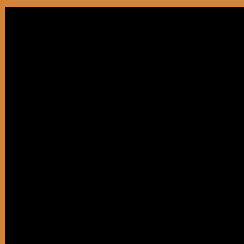
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6797, 30.7622, 7.7986

Background



This preview shows how black text looks on a background with the XYZ color 35.6797, 30.7622, 7.7986.



This preview shows how white text looks on a background with the XYZ color 35.6797, 30.7622,

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

35.6797, 30.7622, 7.7986

Protanopia

28.0574, 30.7950, 8.8801

Deuteranopia

31.4513, 30.7208, 7.6402



Tritanopia

39.6610, 30.8355, 26.4157

Trichromacy



Original Color

35.6797, 30.7622, 7.7986

Protanomaly

30.2911, 30.3296, 8.3953

Deuteranomaly

32.9244, 30.6019, 7.6615

Tritanomaly

37.7613, 30.6251, 17.5567

Monochromacy



Original Color

35.6797, 30.7622, 7.7986

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.2878, 29.1070, 19.9942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6797, 30.7622, 7.7986 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(210, 133, 56)` looks like.

```
.text, #text, p{  
    color:rgb(210, 133, 56)  
}
```

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(210, 133, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 133, 56) }
```

Border

The CSS property to change the border of an element to XYZ 35.6797, 30.7622, 7.7986 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(210, 133, 56) }
```


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

```
.border{ border-color:rgb(210, 133, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 133, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 133, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 133, 56);  
box-shadow:4px 4px 4px 4px rgb(210, 133,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6797, 30.7622, 7.7986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 133, 56) }
```

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

```
.background{ background-color: rgb(210,  
133, 56) }
```

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