

Converting Colors

XYZ(30.5771, 24.7542, 6.8030)

Have a look what the booklet for
XYZ(30.5771, 24.7542, 6.8030)
contains.

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Color

**XYZ(30.6397, 24.8167,
6.7896)**

Conversions

Conversions Part 1

Format	Color
Hex	C87337
RGB	200, 115, 55
RGB Percent	78%, 45%, 22%
CMY	0.2157, 0.5490, 0.7843
CMYK	0.00, 0.42, 0.72, 0.22
HSL	25°, 57%, 50%
HSV	25°, 72%, 78%
XYZ	30.6397, 24.8167, 6.7896
YIQ	133.5750, 69.9200, -0.6400

Conversions

Conversions Part 2

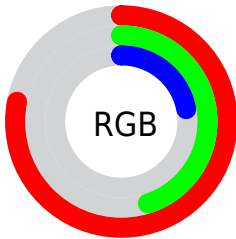
Format	Color
R_{YB}	200, 157, 55
Decimal	13136695
CIE _{Lab}	56.90, 28.63, 46.37
CIE _{LCh}	57, 54.498, 58.313
Yxy	24.8167, 0.4922, 0.3987
Android (android.graphics.Color)	4291326775 (0xFFC87337)
YUV	133.5750, -38.7375, 58.2547
Hunter-Lab	49.8164, 22.6083, 26.7907

Details

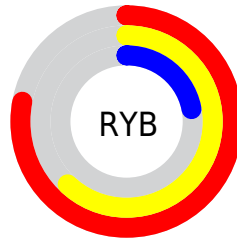
The XYZ color **30.6397, 24.8167, 6.7896** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.3781, 23.7368, 58.0980**, and the grayscale version is **22.6243, 23.8025, 25.9210**.

A 20% lighter version of the original color is **57.7924, 50.2852, 20.0246**, and **12.9492, 9.5657, 1.2500** is the 20% darker color. If you saturate the color by 10%, you get **29.0010, 22.1575, 4.3385**, and if you desaturate by 10%, it is **32.6437, 27.8963, 10.3209**.

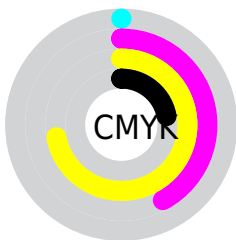
Distribution



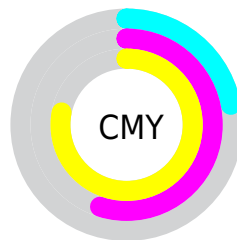
- Red (78%)
- Green (45%)
- Blue (22%)



- Red (78%)
- Yellow (62%)
- Blue (22%)



- Cyan (0%)
- Magenta (42%)
- Yellow (72%)
- Black (22%)





- Cyan (22%)
- Magenta (55%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6397, 24.8167, 6.7896 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 30.6397, 24.8167, 6.7896 by changing the saturation by 10% instead.


 30.6397, 24.8167,
6.7896


 30.6397, 24.8167,
6.7896


296.7316,
276.9239, 175.4679


 20.4751, 15.9405,
3.2544


 60.0521, 51.3597,
20.0543


 12.8511, 9.4821,
1.2260


 80.0306, 69.7953,
30.6209

 7.4024, 5.0569,
0.0000


 104.0111, 92.1863,
44.3683

 3.7636, 2.2807,
0.0000

 132.3590,
118.9168, 61.7152

 1.5693, 0.7635,
0.0000

 165.4397,
150.3715, 83.0801

 0.3723, 0.0000,
0.0000

 203.6184,

 0.0000, 0.0000,

186.9346, 108.8815

0.0000

247.2606,
228.9906, 139.5379

■ 30.6397, 24.8167,
6.7896

■ 30.6397, 24.8167,
6.7896

■ 29.0010, 22.1575,
4.3385

■ 32.6437, 27.8963,
10.3209

■ 27.6945, 19.8920,
2.8319

■ 35.0384, 31.4127,
15.0433

■ 26.8946, 18.4301,
2.1399

■ 37.8483, 35.3860,
21.0554

■ 41.0951, 39.8338,
28.4448

■ 44.7989, 44.7724,
37.2916

■ 48.9786, 50.2173,
47.6694

■ 53.6516, 56.1834,
59.6470

■ 58.8346, 62.6848,
73.2890

■ 64.5435, 69.7351,
88.6562

Harmonies

Analogous

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



36.1266, 24.8167, 13.5434



30.6397, 24.8167, 6.7896



23.9507, 24.8167, 4.9145

Triad

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



30.6397, 24.8167, 6.7896



13.3234, 24.8167, 25.9995



29.9007, 24.8167, 71.2825

Complementary

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



30.6397, 24.8167, 6.7896



21.3781, 23.7368, 58.0980

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.



23.2281, 24.8167, 79.5847



30.6397, 24.8167, 6.7896



14.3483, 24.8167, 47.3561

Square

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



30.6397, 24.8167, 6.7896



14.6093, 24.8167, 12.4437



17.7101, 24.8167, 69.3251



35.6486, 24.8167, 50.0095

Rectangle

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



30.6397, 24.8167, 6.7896



19.9375, 24.8167, 5.5031



17.7101, 24.8167, 69.3251



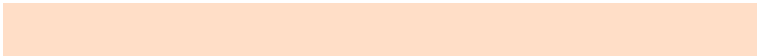
27.6579, 24.8167, 76.0129

Sweetspot

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



30.6403, 24.8180, 6.7900



77.6893, 77.6831, 64.8716



30.0679, 16.9648, 27.2810



16.2330, 16.1046, 12.9251



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.



30.6403, 24.8180, 6.7900



48.8450, 36.0275, 5.8295



41.9624, 47.4623, 10.5641



10.9884, 11.3459, 11.1736



17.1845, 11.8862, 1.3885



0.8848, 0.7050, 0.0894

Inverse Universe

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



21.3781, 23.7368, 58.0980



31.8132, 33.8081, 99.4566



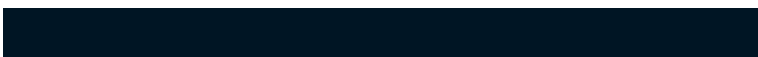
14.1599, 9.3005, 55.6919



10.5646, 11.3032, 13.5424



10.7809, 10.9558, 36.2908



0.5807, 0.6592, 1.7418

Previews

White Background



This preview shows how the XYZ color 30.6397, 24.8167, 6.7896 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6397, 24.8167, 6.7896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

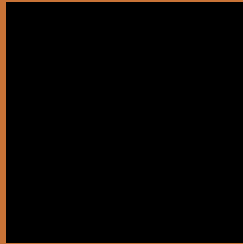
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6397, 24.8167, 6.7896

Background



This preview shows how black text looks on a background with the XYZ color 30.6397, 24.8167, 6.7896.



This preview shows how white text looks on a background with the XYZ color 30.6397, 24.8167,

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

30.6397, 24.8167, 6.7896

Protanopia

22.7641, 24.9145, 8.1666

Deuteranopia

25.3748, 24.8622, 6.5935



Tritanopia

33.1435, 24.6826, 19.5404

Trichromacy



Original Color

30.6397, 24.8167, 6.7896

Protanomaly

25.0019, 24.4513, 7.5395

Deuteranomaly

27.2449, 24.8602, 6.6114

Tritanomaly

32.0619, 24.7336, 13.6739

Monochromacy



Original Color

30.6397, 24.8167, 6.7896

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.2397, 23.4678, 16.6168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6397, 24.8167, 6.7896 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, 115, 55)` looks like.

```
.text, #text, p{  
    color:rgb(200, 115, 55)  
}
```

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, 115, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 115, 55) }
```

Border

The CSS property to change the border of an element to XYZ 30.6397, 24.8167, 6.7896 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, 115, 55) }
```


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

```
.border{ border-color:rgb(200, 115, 55) }
```

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

Here you see how a box with a 4 pixel rgb(200, 115, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 115, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 115, 55);  
box-shadow:4px 4px 4px 4px rgb(200, 115,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6397, 24.8167, 6.7896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 115, 55) }
```

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

```
.background{ background-color: rgb(200,  
115, 55) }
```

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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