

Converting Colors

XYZ(31.8016, 25.9759, 6.5626)

Have a look what the booklet for
XYZ(31.8016, 25.9759, 6.5626)
contains.

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Color

**XYZ(31.7269, 25.9013,
6.5761)**

Conversions

Conversions Part 1

Format	Color
Hex	CB7634
RGB	203, 118, 52
RGB Percent	80%, 46%, 20%
CMY	0.2039, 0.5372, 0.7961
CMYK	0.00, 0.42, 0.74, 0.20
HSL	26°, 59%, 50%
HSV	26°, 74%, 80%
XYZ	31.7269, 25.9013, 6.5761
YIQ	135.8910, 71.8460, -2.5060

Conversions

Conversions Part 2

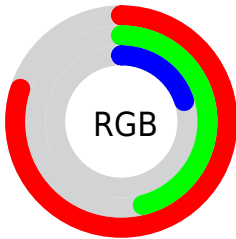
Format	Color
R_{YB}	203, 169, 52
Decimal	13334068
CIE Lab	57.94, 28.12, 49.02
CIE LCh	58, 56.513, 60.157
Yxy	25.9013, 0.4942, 0.4034
Android (android.graphics.Color)	4291524148 (0xFFCB7634)
YUV	135.8910, -41.3583, 58.8546
Hunter-Lab	50.8933, 22.2136, 27.9643

Details

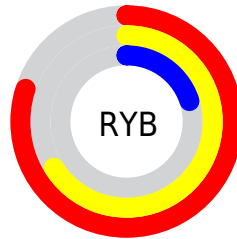
The XYZ color **31.7269, 25.9013, 6.5761** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.1408, 22.9320, 59.8117**, and the grayscale version is **23.4927, 24.7162, 26.9159**.

A 20% lighter version of the original color is **58.2012, 51.3451, 19.4134**, and **13.4558, 10.0959, 1.2395** is the 20% darker color. If you saturate the color by 10%, you get **30.0991, 23.2270, 4.2422**, and if you desaturate by 10%, it is **33.7154, 28.9830, 10.0000**.

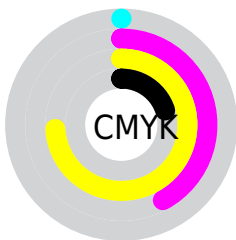
Distribution



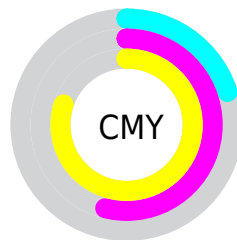
- Red (80%)
- Green (46%)
- Blue (20%)



- Red (80%)
- Yellow (66%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (74%)
- Black (20%)



- Cyan (20%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7269, 25.9013, 6.5761 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 31.7269, 25.9013, 6.5761 by changing the saturation by 10% instead.

31.7269, 25.9013,
6.5761

31.7269, 25.9013,
6.5761

301.6407,
282.2972, 173.5885

21.3075, 16.7498,
3.1240

61.7508, 53.1157,
19.6134

13.4627, 10.0563,
1.1583

82.0860, 71.9474,
30.0356

7.8271, 5.4363,
0.0000

106.4573, 94.7746,
43.6184

4.0354, 2.5055,
0.0000

135.2298,
121.9817, 60.7802

1.7222, 0.8794,
0.0000

168.7691,
153.9531, 81.9396

0.4701, 0.0000,
0.0000

207.4405,

0.0000, 0.0000,

191.0733, 107.5150

0.0000

251.6092,
233.7265, 137.9252

■ 31.7269, 25.9013,
6.5761

■ 31.7269, 25.9013,
6.5761

■ 30.0991, 23.2270,
4.2422

■ 33.7154, 28.9830,
10.0000

■ 28.7972, 20.9336,
2.8518

■ 36.0908, 32.4879,
14.6324

■ 28.1788, 19.7971,
2.3360

■ 38.8782, 36.4357,
20.5776

■ 42.1000, 40.8434,
27.9282

■ 45.7767, 45.7268,
36.7683

■ 49.9273, 51.1010,
47.1753

■ 54.5696, 56.9802,
59.2211

■ 59.7206, 63.3782,
72.9734

■ 65.3961, 70.3080,
88.4956

Harmonies

Analogous

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



37.7661, 25.9013, 13.2453



31.7269, 25.9013, 6.5761



24.5825, 25.9013, 4.8662

Triad

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



31.7269, 25.9013, 6.5761



13.7077, 25.9013, 28.3051



31.8006, 25.9013, 74.6474

Complementary

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



31.7269, 25.9013, 6.5761



21.1408, 22.9320, 59.8117

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.



24.6543, 25.9013, 84.7876



31.7269, 25.9013, 6.5761



14.9427, 25.9013, 51.5505

Square

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



31.7269, 25.9013, 6.5761



14.9169, 25.9013, 13.3532



18.6599, 25.9013, 74.8444



37.8139, 25.9013, 51.2847

Rectangle

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



31.7269, 25.9013, 6.5761



20.3759, 25.9013, 5.6134



18.6599, 25.9013, 74.8444



29.4124, 25.9013, 80.0924

Sweetspot

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



31.7275, 25.9027, 6.5766



78.0379, 78.3802, 64.9878



30.4127, 16.9751, 25.5545



16.3148, 16.2682, 12.9524



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.



31.7275, 25.9027, 6.5766



49.0724, 36.5885, 5.5776



44.3035, 51.0547, 10.7686



11.6090, 12.0070, 11.7852



18.0202, 12.7734, 1.5157



1.0047, 0.8091, 0.1032

Inverse Universe

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



21.1408, 22.9320, 59.8117



30.3845, 31.1761, 99.0239



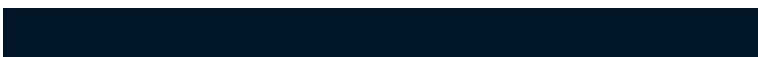
13.9221, 8.4946, 57.4055



11.1168, 11.8741, 14.2764



10.8005, 10.6251, 37.4379



0.6319, 0.6976, 1.9563

Previews

White Background



This preview shows how the XYZ color 31.7269, 25.9013, 6.5761 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 31.7269, 25.9013, 6.5761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

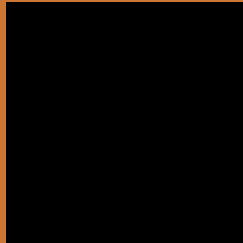
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7269, 25.9013, 6.5761

Background



This preview shows how black text looks on a background with the XYZ color 31.7269, 25.9013, 6.5761.



This preview shows how white text looks on a background with the XYZ color 31.7269, 25.9013,

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

31.7269, 25.9013, 6.5761

Protanopia

23.8521, 26.1296, 7.7894

Deuteranopia

26.6002, 26.1024, 6.4326



Tritanopia

34.7463, 25.9662, 20.6334

Trichromacy



Original Color

31.7269, 25.9013, 6.5761

Protanomaly

26.1987, 25.6723, 7.3158

Deuteranomaly

28.2811, 25.9744, 6.4287

Tritanomaly

33.5365, 25.9827, 14.0741

Monochromacy



Original Color

31.7269, 25.9013, 6.5761

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.8973, 24.1940, 16.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7269, 25.9013, 6.5761 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(203, 118, 52)` looks like.

```
.text, #text, p{  
    color:rgb(203, 118, 52)  
}
```

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(203, 118, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 118, 52) }
```

Border

The CSS property to change the border of an element to XYZ 31.7269, 25.9013, 6.5761 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(203, 118, 52) }
```


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

```
.border{ border-color:rgb(203, 118, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 118, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 118, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 118, 52);  
box-shadow:4px 4px 4px 4px rgb(203, 118,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7269, 25.9013, 6.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 118, 52) }
```

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

```
.background{ background-color: rgb(203,  
118, 52) }
```

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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