

Converting Colors

XYZ(31.8961, 27.7659, 4.5589)

Have a look what the booklet for
XYZ(31.8961, 27.7659, 4.5589)
contains.

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Color

**XYZ(31.8416, 27.6622,
4.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	C97F18
RGB	201, 127, 24
RGB Percent	79%, 50%, 9%
CMY	0.2118, 0.5019, 0.9059
CMYK	0.00, 0.37, 0.88, 0.21
HSL	35°, 79%, 44%
HSV	35°, 88%, 79%
XYZ	31.8416, 27.6622, 4.5253
YIQ	137.3840, 77.1670, -16.3450

Conversions

Conversions Part 2

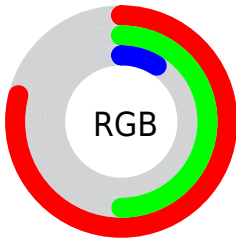
Format	Color
RYB	151, 201, 24
Decimal	13205272
CIELab	59.58, 21.47, 61.04
CIELCh	60, 64.704, 70.616
Yxy	27.6622, 0.4973, 0.4320
Android (android.graphics.Color)	4291395352 (0xFFC97F18)
YUV	137.3840, -55.8983, 55.7912
Hunter-Lab	52.5949, 16.0251, 31.7151

Details

The XYZ color **31.8416, 27.6622, 4.5253** 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 **15.2869, 13.1464, 56.9896**, and the grayscale version is **24.1091, 25.3646, 27.6221**.

A 20% lighter version of the original color is **59.0092, 54.4817, 14.9953**, and **13.7089, 11.1115, 1.4222** is the 20% darker color. If you saturate the color by 10%, you get **30.6582, 25.5253, 3.4232**, and if you desaturate by 10%, it is **33.2649, 30.0423, 6.4388**.

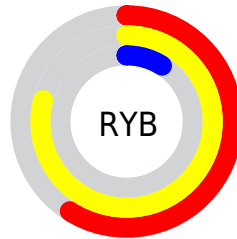
Distribution



Red (79%)

Green (50%)

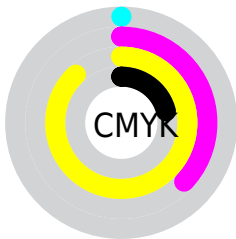
Blue (9%)



Red (59%)

Yellow (79%)

Blue (9%)

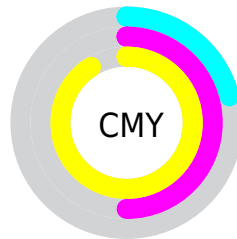


Cyan (0%)

Magenta (37%)

Yellow (88%)

Black (21%)



Cyan (21%)


Magenta (50%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8416, 27.6622, 4.5253 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 31.8416, 27.6622, 4.5253 by changing the saturation by 10% instead.


 31.8416, 27.6622,
4.5253


 31.8416, 27.6622,
4.5253


302.1552,
290.8492, 153.8965


 21.3955, 18.0712,
1.9177


 61.9296, 55.9447,
15.2042


 13.5275, 11.0011,
0.5040

 82.3021, 75.4049,
24.1126


 7.8723, 6.0676,
0.0000


 106.7142, 98.9237,
35.9584

 4.0644, 2.8862,
0.0000

 135.5312,
126.8854, 51.1600

 1.7387, 1.0726,
0.0000

 169.1185,
159.6744, 70.1361

 0.4803, 0.0000,
0.0000

 207.8413,

 0.0000, 0.0000,

197.6751, 93.3052

0.0000

252.0651,
241.2719, 121.0858

31.8416, 27.6622,
4.5253

31.8416, 27.6622,
4.5253

30.6582, 25.5253,
3.4232

33.2649, 30.0423,
6.4388

30.4450, 25.1330,
3.2465

34.9632, 32.6794,
9.3462

36.9625, 35.5885,
13.3715

39.2846, 38.7814,
18.6199

41.9490, 42.2689,
25.1845

■ 44.9734, 46.0613,
33.1490

■ 48.3741, 50.1679,
42.5905

■ 52.1663, 54.5975,
53.5799

■ 56.3642, 59.3588,
66.1840

Harmonies

Analogous

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



40.0665, 27.6622, 9.3360



31.8416, 27.6622, 4.5253



23.5103, 27.6622, 4.0419

Triad

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



31.8416, 27.6622, 4.5253



13.7048, 27.6622, 39.1643



37.8657, 27.6622, 78.6246

Complementary

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



31.8416, 27.6622, 4.5253



15.2869, 13.1464, 56.9896

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.



29.2851, 27.6622, 99.2381



31.8416, 27.6622, 4.5253



16.1033, 27.6622, 69.7842

Square

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



31.8416, 27.6622, 4.5253



14.1102, 27.6622, 17.5481



21.4280, 27.6622, 95.3594



44.0113, 27.6622, 47.5983

Rectangle

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



31.8416, 27.6622, 4.5253



19.0936, 27.6622, 5.6573



21.4280, 27.6622, 95.3594



35.1046, 27.6622, 87.5789

Sweetspot

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



31.8422, 27.6636, 4.5258



77.9393, 80.0142, 59.3100



26.7483, 14.0046, 13.5291



16.2693, 16.6184, 11.5773



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.



31.8422, 27.6636, 4.5258



51.8921, 42.5642, 5.4807



42.0872, 52.6832, 8.8151



11.1380, 11.6451, 11.2234



19.2350, 15.9873, 2.0721



0.9812, 0.8978, 0.1216

Inverse Universe

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



15.2869, 13.1464, 56.9896



23.2665, 17.6530, 96.7888



11.5900, 5.2421, 55.6587



10.4149, 11.0039, 13.4925



8.7097, 6.8132, 35.6004



0.4836, 0.4651, 1.7094

Previews

White Background



This preview shows how the XYZ color 31.8416, 27.6622, 4.5253 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 31.8416, 27.6622, 4.5253 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 31.8416, 27.6622, 4.5253

Background



This preview shows how black text looks on a background with the XYZ color 31.8416, 27.6622, 4.5253.



This preview shows how white text looks on a background with the XYZ color 31.8416, 27.6622,

4.5253.

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

31.8416, 27.6622, 4.5253

Protanopia

25.0953, 27.7166, 5.1896

Deuteranopia

28.1891, 27.5908, 4.3300



Tritanopia

35.7628, 27.6110, 23.5232

Trichromacy



Original Color

31.8416, 27.6622, 4.5253

Protanomaly

27.1908, 27.4862, 4.9092

Deuteranomaly

29.4913, 27.6409, 4.3970

Tritanomaly

33.5847, 27.2503, 13.1626

Monochromacy



Original Color

31.8416, 27.6622, 4.5253

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.9961, 25.0932, 14.5924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8416, 27.6622, 4.5253 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(201, 127, 24)` looks like.

```
.text, #text, p{  
    color:rgb(201, 127, 24)  
}
```

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(201, 127, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 127, 24) }
```

Border

The CSS property to change the border of an element to XYZ 31.8416, 27.6622, 4.5253 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(201, 127, 24) }
```


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

```
.border{ border-color:rgb(201, 127, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 127, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 127, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 127, 24);  
box-shadow:4px 4px 4px 4px rgb(201, 127,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8416, 27.6622, 4.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 127, 24) }
```

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

```
.background{ background-color: rgb(201,  
127, 24) }
```

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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