

Converting Colors

XYZ(31.6225, 29.4949, 5.1273)

Have a look what the booklet for
XYZ(31.6225, 29.4949, 5.1273)
contains.

XYZ(31.6609, 29.5773, 5.1389)	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(31.6609, 29.5773,
5.1389)**

Conversions

Conversions Part 1

Format	Color
Hex	C3891C
RGB	195, 137, 28
RGB Percent	76%, 54%, 11%
CMY	0.2353, 0.4627, 0.8902
CMYK	0.00, 0.30, 0.86, 0.24
HSL	39°, 75%, 44%
HSV	39°, 86%, 76%
XYZ	31.6609, 29.5773, 5.1389
YIQ	141.9160, 69.5570, -21.6030

Conversions

Conversions Part 2

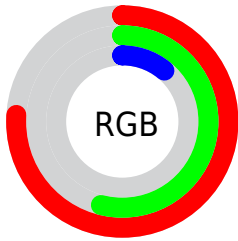
Format	Color
R_{YB}	117, 195, 28
Decimal	12814620
CIE Lab	61.29, 13.47, 60.98
CIE LCh	61, 62.447, 77.547
Yxy	29.5773, 0.4770, 0.4456
Android (android.graphics.Color)	4291004700 (0xFFC3891C)
YUV	141.9160, -56.1606, 46.5547
Hunter-Lab	54.3850, 8.7422, 32.4671

Details

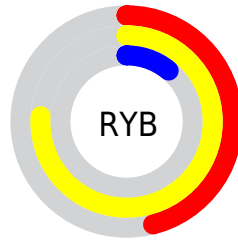
The XYZ color **31.6609, 29.5773, 5.1389** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **13.6569, 10.8423, 53.0022**, and the grayscale version is **25.8747, 27.2222, 29.6450**.

A 20% lighter version of the original color is **61.2537, 58.7270, 16.4945**, and **13.5615, 12.0506, 1.6112** is the 20% darker color. If you saturate the color by 10%, you get **30.5658, 27.6482, 3.9699**, and if you desaturate by 10%, it is **32.9684, 31.6905, 7.1223**.

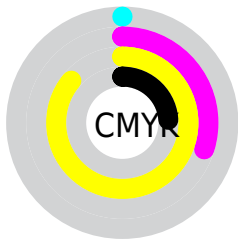
Distribution



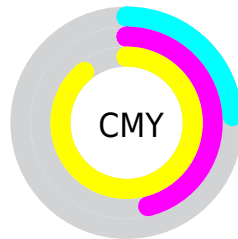
- Red (76%)
- Green (54%)
- Blue (11%)



- Red (46%)
- Yellow (76%)
- Blue (11%)



- Cyan (0%)
- Magenta (30%)
- Yellow (86%)
- Black (24%)





- Cyan (24%)
- Magenta (46%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6609, 29.5773, 5.1389 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 31.6609, 29.5773, 5.1389 by changing the saturation by 10% instead.


 31.6609, 29.5773,
5.1389


 31.6609, 29.5773,
5.1389


301.3444,
299.9292, 160.1491

 21.2569, 19.5180,
2.2688


 61.6479, 58.9931,
16.5612

 13.4255, 12.0451,
0.7137


 81.9616, 79.1183,
25.9506

 7.8012, 6.7744,
0.0000


 106.3093,
103.3676, 38.3501

 4.0187, 3.3214,
0.0000

 135.0563,
132.1254, 54.1783

 1.7127, 1.3018,
0.0000

 168.5679,
165.7760, 73.8538

 0.4642, 0.1426,
0.0000

 207.2096,

 0.0000, 0.0000,

204.7039, 97.7950

0.0000

251.3467,
249.2935, 126.4206

■ 31.6609, 29.5773,
5.1389

■ 31.6609, 29.5773,
5.1389

■ 30.5658, 27.6482,
3.9699

■ 32.9684, 31.6905,
7.1223

■ 30.1310, 26.8532,
3.5951

■ 34.5129, 33.9958,
10.0538

■ 36.3170, 36.5049,
14.0431

■ 38.3993, 39.2270,
19.1846

■ 40.7769, 42.1705,
25.5620

■ 43.4649, 45.3430,
33.2511

■ 46.4775, 48.7517,
42.3216

■ 49.8279, 52.4034,
52.8384

■ 53.5284, 56.3044,
64.8620

Harmonies

Analogous

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



40.1902, 29.5773, 9.0180



31.6609, 29.5773, 5.1389



23.6103, 29.5773, 5.4515

Triad

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



31.6609, 29.5773, 5.1389



15.5725, 29.5773, 47.8747



41.4645, 29.5773, 73.4509

Complementary

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



31.6609, 29.5773, 5.1389



13.6569, 10.8423, 53.0022

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.



33.1532, 29.5773, 97.5356



31.6609, 29.5773, 5.1389



18.7347, 29.5773, 78.4932

Square

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



31.6609, 29.5773, 5.1389



15.3284, 29.5773, 23.3951



24.8394, 29.5773, 99.7324



46.5475, 29.5773, 42.9873

Rectangle

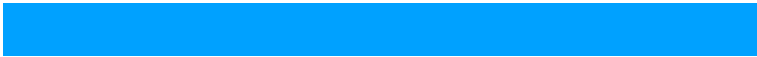
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6609, 29.5773, 5.1389



19.5367, 29.5773, 7.9934



24.8394, 29.5773, 99.7324



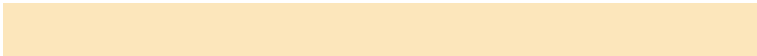
38.8892, 29.5773, 83.0911

Sweetspot

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



31.6616, 29.5788, 5.1395



77.4588, 80.7616, 58.4149



24.6188, 13.1119, 10.1334



16.5793, 17.2384, 11.6806



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.



31.6616, 29.5788, 5.1395



53.7235, 47.6105, 6.3582



36.2913, 47.6541, 8.3843



10.6095, 11.1504, 10.6549



19.6648, 17.6154, 2.3637



0.9120, 0.8859, 0.1229

Inverse Universe

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



13.6569, 10.8423, 53.0022



21.1048, 13.9823, 94.0563



11.7366, 5.5292, 52.0778



9.8080, 10.3073, 12.7574



7.8062, 5.3689, 34.1815



0.4023, 0.3619, 1.4985

Previews

White Background



This preview shows how the XYZ color 31.6609, 29.5773, 5.1389 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 31.6609, 29.5773, 5.1389 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 31.6609, 29.5773, 5.1389

Background



This preview shows how black text looks on a background with the XYZ color 31.6609, 29.5773, 5.1389.



This preview shows how white text looks on a background with the XYZ color 31.6609, 29.5773,

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

31.6609, 29.5773, 5.1389

Protanopia

26.9311, 29.8093, 5.6307

Deuteranopia

30.2048, 29.6891, 5.1159



Tritanopia

36.3219, 29.6620, 27.4779

Trichromacy



Original Color

31.6609, 29.5773, 5.1389

Protanomaly

28.4912, 29.6916, 5.4577

Deuteranomaly

30.8111, 29.7824, 5.1616

Tritanomaly

33.8272, 29.2378, 15.1698

Monochromacy



Original Color

31.6609, 29.5773, 5.1389

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.4250, 27.2728, 16.1834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6609, 29.5773, 5.1389 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(195, 137, 28)` looks like.

```
.text, #text, p{  
    color:rgb(195, 137, 28)  
}
```

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(195, 137, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 137, 28) }
```

Border

The CSS property to change the border of an element to XYZ 31.6609, 29.5773, 5.1389 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(195, 137, 28) }
```


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

```
.border{ border-color:rgb(195, 137, 28) }
```

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

Here you see how a box with a 4 pixel rgb(195, 137, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 137, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 137, 28);  
box-shadow:4px 4px 4px 4px rgb(195, 137,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6609, 29.5773, 5.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 137, 28) }
```

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

```
.background{ background-color: rgb(195,  
137, 28) }
```

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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