

Converting Colors

XYZ(29.6723, 22.7609, 6.8352)

Have a look what the booklet for
XYZ(29.6723, 22.7609, 6.8352)
contains.

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Color

**XYZ(29.6347, 22.6880,
6.8203)**

Conversions

Conversions Part 1

Format	Color
Hex	C8693A
RGB	200, 105, 58
RGB Percent	78%, 41%, 23%
CMY	0.2157, 0.5882, 0.7725
CMYK	0.00, 0.47, 0.71, 0.22
HSL	20°, 56%, 51%
HSV	20°, 71%, 78%
XYZ	29.6347, 22.6880, 6.8203
YIQ	128.0470, 71.7070, 5.5230

Conversions

Conversions Part 2

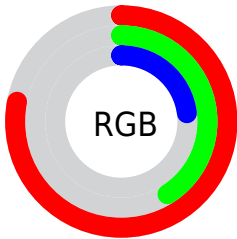
Format	Color
R_{YB}	200, 128, 58
Decimal	13134138
CIE _{Lab}	54.75, 34.09, 42.55
CIE _{LCh}	55, 54.524, 51.301
Yxy	22.6880, 0.5011, 0.3836
Android (android.graphics.Color)	4291324218 (0xFFC8693A)
YUV	128.0470, -34.5332, 63.1028
Hunter-Lab	47.6319, 27.6998, 24.8528

Details

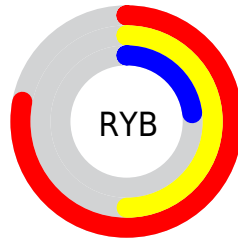
The XYZ color **29.6347, 22.6880, 6.8203** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.5606, 27.8504, 58.7771**, and the grayscale version is **20.6334, 21.7080, 23.6400**.

A 20% lighter version of the original color is **56.1207, 46.7753, 19.9806**, and **12.2307, 8.3275, 1.2212** is the 20% darker color. If you saturate the color by 10%, you get **27.9640, 20.0090, 4.2221**, and if you desaturate by 10%, it is **31.7184, 25.8773, 10.5311**.

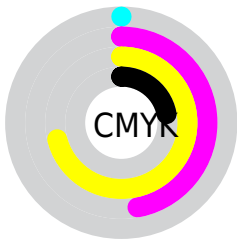
Distribution



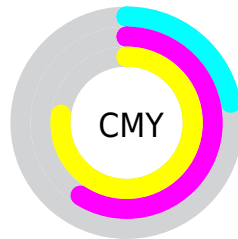
- Red (78%)
- Green (41%)
- Blue (23%)



- Red (78%)
- Yellow (50%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (71%)
- Black (22%)




- Cyan (22%)
- Magenta (59%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6347, 22.6880, 6.8203 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 29.6347, 22.6880, 6.8203 by changing the saturation by 10% instead.


 29.6347, 22.6880,
6.8203


 29.6347, 22.6880,
6.8203


292.1385,
266.1184, 175.7360


 19.7082, 14.3633,
3.2732


 58.4746, 47.8805,
20.1175


 12.2901, 8.3738,
1.2358


 78.1187, 65.5171,
30.7046


 7.0152, 4.3350,
0.0083


 101.7327, 87.0265,
44.4756

 3.5180, 1.8627,
0.0000

 129.6819,
112.7930, 61.8488

 1.4333, 0.5258,
0.0000

 162.3317,
143.2010, 83.2430

 0.2797, 0.0000,
0.0000

 200.0475,

 0.0000, 0.0000,

178.6350, 109.0765

0.0000

243.1947,
219.4794, 139.7680

■ 29.6347, 22.6880,
6.8203

■ 29.6347, 22.6880,
6.8203

■ 27.9640, 20.0090,
4.2221

■ 31.7184, 25.8773,
10.5311

■ 26.6704, 17.8069,
2.6037

■ 34.2434, 29.6001,
15.4642

■ 25.7794, 16.1997,
1.7681

■ 37.2369, 33.8824,
21.7173

■ 40.7232, 38.7472,
29.3779

■ 44.7251, 44.2163,
38.5256

■ 49.2635, 50.3102,
49.2344

■ 54.3583, 57.0483,
61.5732

■ 60.0282, 64.4492,
75.6065

■ 66.2913, 72.5310,
91.3956

Harmonies

Analogous

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



34.2357, 22.6880, 14.5179



29.6347, 22.6880, 6.8203



23.3614, 22.6880, 4.2955

Triad

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



29.6347, 22.6880, 6.8203



12.0323, 22.6880, 20.0243



26.0449, 22.6880, 70.2040

Complementary

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



29.6347, 22.6880, 6.8203



23.5606, 27.8504, 58.7771

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.



19.8617, 22.6880, 74.0480



29.6347, 22.6880, 6.8203



12.4832, 22.6880, 38.7969

Square

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



29.6347, 22.6880, 6.8203



13.7381, 22.6880, 9.2409



15.1107, 22.6880, 60.6241



31.9097, 22.6880, 51.7424

Rectangle

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



29.6347, 22.6880, 6.8203



19.3761, 22.6880, 4.3774



15.1107, 22.6880, 60.6241



23.9113, 22.6880, 73.5062

Sweetspot

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



29.6352, 22.6892, 6.8207



77.2132, 76.2534, 66.1851



31.2516, 17.6732, 32.7892



16.0934, 15.7326, 13.1645



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.



29.6352, 22.6892, 6.8207



47.1698, 32.5533, 5.6522



39.7126, 42.8439, 10.1798



10.9159, 11.2010, 11.1494



16.4655, 10.4482, 1.1489



0.8464, 0.6282, 0.0767

Inverse Universe

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



23.5606, 27.8504, 58.7771



35.8438, 41.6072, 100.7496



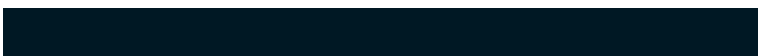
15.3433, 11.4157, 56.0379



10.6395, 11.4530, 13.5674



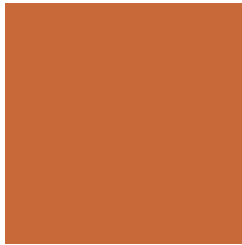
12.1163, 13.6265, 36.7359



0.6381, 0.7740, 1.7609

Previews

White Background



This preview shows how the XYZ color 29.6347, 22.6880, 6.8203 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 29.6347, 22.6880, 6.8203 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 29.6347, 22.6880, 6.8203

Background



This preview shows how black text looks on a background with the XYZ color 29.6347, 22.6880, 6.8203.



This preview shows how white text looks on a background with the XYZ color 29.6347, 22.6880,

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

29.6347, 22.6880, 6.8203

Protanopia

20.9117, 22.9156, 8.4752

Deuteranopia

23.2861, 22.8168, 6.5449



Tritanopia

31.6920, 22.6608, 16.3393

Trichromacy



Original Color

29.6347, 22.6880, 6.8203

Protanomaly

23.3738, 22.2773, 7.7706

Deuteranomaly

25.2995, 22.5798, 6.6393

Tritanomaly

30.8140, 22.5852, 12.1865

Monochromacy



Original Color

29.6347, 22.6880, 6.8203

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.4911, 21.2822, 15.7544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6347, 22.6880, 6.8203 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, 105, 58)` looks like.

```
.text, #text, p{  
    color:rgb(200, 105, 58)  
}
```

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, 105, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 105, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.6347, 22.6880, 6.8203 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, 105, 58) }
```


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

```
.border{ border-color:rgb(200, 105, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 105, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 105, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 105, 58);  
box-shadow:4px 4px 4px 4px rgb(200, 105,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6347, 22.6880, 6.8203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 105, 58) }
```

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

```
.background{ background-color: rgb(200,  
105, 58) }
```

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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