

Converting Colors

XYZ(28.9520, 20.9785, 8.2556)

Have a look what the booklet for
XYZ(28.9520, 20.9785, 8.2556)
contains.

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Color

**XYZ(29.1078, 21.0873,
8.3305)**

Conversions

Conversions Part 1

Format	Color
Hex	C86046
RGB	200, 96, 70
RGB Percent	78%, 38%, 27%
CMY	0.2157, 0.6235, 0.7255
CMYK	0.00, 0.52, 0.65, 0.22
HSL	12°, 54%, 53%
HSV	12°, 65%, 78%
XYZ	29.1078, 21.0873, 8.3305
YIQ	124.1320, 70.3300, 13.9620

Conversions

Conversions Part 2

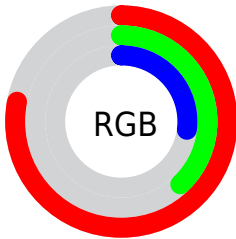
Format	Color
R_{YB}	200, 103, 70
Decimal	13131846
CIE _{Lab}	53.04, 39.42, 34.14
CIE _{LCh}	53, 52.144, 40.895
Yxy	21.0873, 0.4974, 0.3603
Android (android.graphics.Color)	4291321926 (0xFFC86046)
YUV	124.1320, -26.6871, 66.5362
Hunter-Lab	45.9209, 32.7839, 21.3889

Details

The XYZ color **29.1078, 21.0873, 8.3305** 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 **28.0861, 35.7422, 60.0619**, and the grayscale version is **19.2727, 20.2763, 22.0809**.

A 20% lighter version of the original color is **55.3172, 44.0868, 23.0468**, and **11.9291, 7.5224, 1.7429** is the 20% darker color. If you saturate the color by 10%, you get **27.2643, 18.2480, 5.1030**, and if you desaturate by 10%, it is **31.4596, 24.6071, 12.7647**.

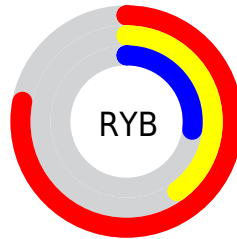
Distribution



Red (78%)

Green (38%)

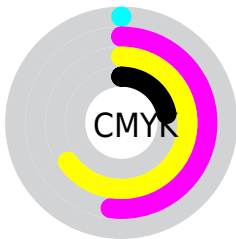
Blue (27%)



Red (78%)

Yellow (40%)

Blue (27%)

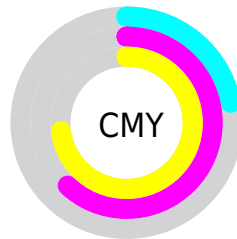


Cyan (0%)

Magenta (52%)

Yellow (65%)

Black (22%)



Cyan (22%)

Magenta (62%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1078, 21.0873, 8.3305 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 29.1078, 21.0873, 8.3305 by changing the saturation by 10% instead.

■ 29.1078, 21.0873,
8.3305

■ 29.1078, 21.0873,
8.3305

289.7083,
257.7421, 188.3321

■ 19.3071, 13.1878,
4.2164

■ 57.6447, 45.2328,
23.1606

■ 11.9977, 7.5580,
1.7448

■ 77.1116, 62.2476,
34.7137

■ 6.8143, 3.8135,
0.3911

■ 100.5312, 83.0696,
49.5835

■ 3.3915, 1.5698,
0.0000

■ 128.2690,
108.0833, 68.1885

■ 1.3640, 0.3371,
0.0000

■ 160.6902,
137.6730, 90.9474

■ 0.2304, 0.0000,
0.0000

198.1603,

■ 0.0000, 0.0000,

172.2231, 118.2786

0.0000

241.0445,
212.1180, 150.6006

■ 29.1078, 21.0873,
8.3305

■ 29.1078, 21.0873,
8.3305

■ 27.2643, 18.2480,
5.1030

■ 31.4596, 24.6071,
12.7647

■ 25.8875, 16.0408,
2.9601

■ 34.3536, 28.8447,
18.5091

■ 24.9314, 14.4159,
1.7557

■ 37.8225, 33.8387,
25.6576

■ 24.5784, 13.7975,
1.3678

■ 41.8957, 39.6240,
34.2947

■ 46.6008, 46.2331,
44.4985

■ 51.9636, 53.6968,
56.3415

■ 58.0082, 62.0444,
69.8918

■ 64.7578, 71.3035,
85.2135

■ 72.2344, 81.5008,
102.3673

Harmonies

Analogous

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



32.2702, 21.0873, 17.7166



29.1078, 21.0873, 8.3305



23.6925, 21.0873, 4.6226

Triad

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



29.1078, 21.0873, 8.3305



11.6451, 21.0873, 14.4334



22.1009, 21.0873, 67.1601

Complementary

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



29.1078, 21.0873, 8.3305



28.0861, 35.7422, 60.0619

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.



16.7887, 21.0873, 64.8995



29.1078, 21.0873, 8.3305



11.3754, 21.0873, 29.1487

Square

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



29.1078, 21.0873, 8.3305



13.9065, 21.0873, 6.8714



13.0874, 21.0873, 48.9196



27.7615, 21.0873, 54.1530

Rectangle

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



29.1078, 21.0873, 8.3305



19.8787, 21.0873, 4.0761



13.0874, 21.0873, 48.9196



20.2079, 21.0873, 68.2710

Sweetspot

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



29.1083, 21.0884, 8.3309



77.0655, 74.9789, 69.1540



33.6495, 19.7158, 42.0763



15.9944, 15.3446, 13.7175



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.



29.1083, 21.0884, 8.3309



46.1290, 29.8919, 7.0927



37.6697, 38.2113, 11.1847



10.8028, 10.9748, 11.1117



15.6794, 8.8759, 0.8868



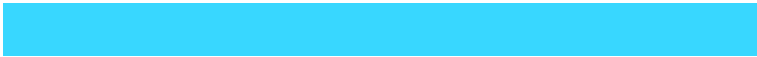
0.7946, 0.5247, 0.0594

Inverse Universe

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



28.0861, 35.7422, 60.0619



44.0408, 56.7723, 103.2447



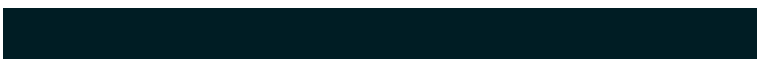
18.4199, 16.4097, 56.8399



10.7595, 11.6932, 13.6074



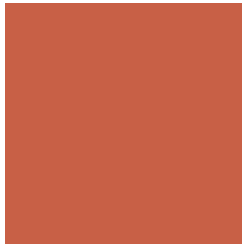
14.6852, 18.7643, 37.5922



0.7425, 0.9828, 1.7957

Previews

White Background



This preview shows how the XYZ color 29.1078, 21.0873, 8.3305 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 29.1078, 21.0873, 8.3305 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 29.1078, 21.0873, 8.3305

Background



This preview shows how black text looks on a background with the XYZ color 29.1078, 21.0873, 8.3305.



This preview shows how white text looks on a background with the XYZ color 29.1078, 21.0873,

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

29.1078, 21.0873, 8.3305

Protanopia

19.5558, 21.1761, 10.8413

Deuteranopia

21.5018, 21.1243, 7.9452



Tritanopia

30.4364, 21.1117, 14.2752

Trichromacy



Original Color

29.1078, 21.0873, 8.3305

Protanomaly

22.2829, 20.6037, 9.8236

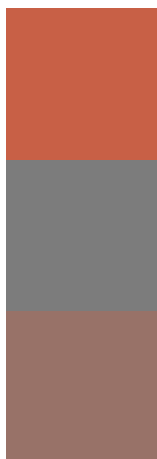
Deuteranomaly

23.8205, 20.7642, 8.0626

Tritanomaly

29.7632, 20.9508, 11.7077

Monochromacy



Original Color

29.1078, 21.0873, 8.3305

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.4649, 19.7095, 15.7697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1078, 21.0873, 8.3305 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, 96, 70)` looks like.

```
.text, #text, p{  
    color:rgb(200, 96, 70)  
}
```

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, 96, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 96, 70) }
```

Border

The CSS property to change the border of an element to XYZ 29.1078, 21.0873, 8.3305 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, 96, 70) }
```


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

```
.border{ border-color:rgb(200, 96, 70) }
```

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

Here you see how a box with a 4 pixel rgb(200, 96, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 96, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 96, 70);  
box-shadow:4px 4px 4px 4px rgb(200, 96,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1078, 21.0873, 8.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 96, 70) }
```

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

```
.background{ background-color: rgb(200, 96,  
70) }
```

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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