

Converting Colors

XYZ(28.8101, 20.9268, 8.3524)

Have a look what the booklet for
XYZ(28.8101, 20.9268, 8.3524)
contains.

XYZ(28.8416, 20.9501, 8.3180)	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(28.8416, 20.9501,
8.3180)**

Conversions

Conversions Part 1

Format	Color
Hex	C76046
RGB	199, 96, 70
RGB Percent	78%, 38%, 27%
CMY	0.2196, 0.6235, 0.7255
CMYK	0.00, 0.52, 0.65, 0.22
HSL	12°, 54%, 53%
HSV	12°, 65%, 78%
XYZ	28.8416, 20.9501, 8.3180
YIQ	123.8330, 69.7340, 13.7500

Conversions

Conversions Part 2

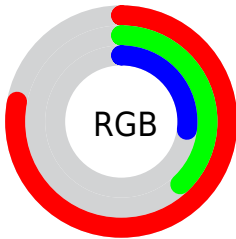
Format	Color
R_{YB}	199, 103, 70
Decimal	13066310
CIE Lab	52.89, 39.03, 33.92
CIE LCh	53, 51.713, 40.993
Yxy	20.9501, 0.4963, 0.3605
Android (android.graphics.Color)	4291256390 (0xFFC76046)
YUV	123.8330, -26.5397, 65.9215
Hunter-Lab	45.7713, 32.3775, 21.2651

Details

The XYZ color **28.8416, 20.9501, 8.3180** 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 **27.7770, 35.3105, 59.3842**, and the grayscale version is **19.1726, 20.1710, 21.9662**.

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 **27.0083, 18.1279, 5.1046**, and if you desaturate by 10%, it is **31.1769, 24.4437, 12.7257**.

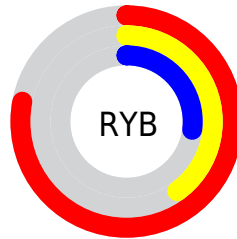
Distribution



Red (78%)

Green (38%)

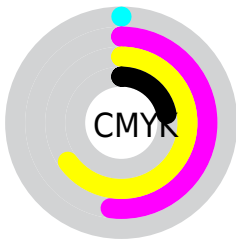
Blue (27%)



Red (78%)

Yellow (40%)

Blue (27%)

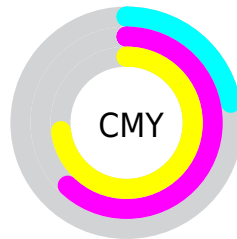


Cyan (0%)

Magenta (52%)

Yellow (65%)

Black (22%)



Cyan (22%)

Magenta (62%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8416, 20.9501, 8.3180 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 28.8416, 20.9501, 8.3180 by changing the saturation by 10% instead.

■ 28.8416, 20.9501,
8.3180

■ 28.8416, 20.9501,
8.3180

288.4746,
257.0132, 188.2322

■ 19.1047, 13.0875,
4.2084

■ 57.2246, 45.0045,
23.1359

■ 11.8504, 7.4888,
1.7404

■ 76.6015, 61.9651,
34.6813

■ 6.7134, 3.7697,
0.3882

■ 99.9223, 82.7271,
49.5424

■ 3.3282, 1.5456,
0.0000

■ 127.5526,
107.6750, 68.1377

■ 1.3296, 0.3205,
0.0000

■ 159.8576,
137.1932, 90.8858

■ 0.2052, 0.0000,
0.0000

197.2027,

■ 0.0000, 0.0000,

171.6660, 118.2052

0.0000

239.9532,
211.4779, 150.5145

■ 28.8416, 20.9501,
8.3180

■ 28.8416, 20.9501,
8.3180

■ 27.0083, 18.1279,
5.1046

■ 31.1769, 24.4437,
12.7257

■ 25.6364, 15.9296,
2.9653

■ 34.0476, 28.6453,
18.4297

■ 24.6805, 14.3066,
1.7565

■ 37.4858, 33.5928,
25.5223

■ 24.3159, 13.6676,
1.3565

■ 41.5206, 39.3204,
34.0872

■ 46.1789, 45.8600,
44.2011

■ 51.4861, 53.2419,
55.9356

■ 57.4661, 61.4947,
69.3579

■ 64.1417, 70.6458,
84.5311

■ 71.5343, 80.7212,
101.5154

Harmonies

Analogous

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



31.9694, 20.9501, 17.5887



28.8416, 20.9501, 8.3180



23.4963, 20.9501, 4.6466

Triad

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



28.8416, 20.9501, 8.3180



11.6074, 20.9501, 14.4187



21.9626, 20.9501, 66.3361

Complementary

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



28.8416, 20.9501, 8.3180



27.7770, 35.3105, 59.3842

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.



16.7129, 20.9501, 64.1644



28.8416, 20.9501, 8.3180



11.3468, 20.9501, 28.9766

Square

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



28.8416, 20.9501, 8.3180



13.8385, 20.9501, 6.9038



13.0474, 20.9501, 48.4660



27.5454, 20.9501, 53.4970

Rectangle

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



28.8416, 20.9501, 8.3180



19.7328, 20.9501, 4.1080



13.0474, 20.9501, 48.4660



20.0932, 20.9501, 67.4468

Sweetspot

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



28.8421, 20.9512, 8.3184



77.0848, 75.0175, 69.1605



33.3055, 19.5474, 41.6543



15.9990, 15.3538, 13.7190



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.



28.8421, 20.9512, 8.3184



46.1572, 29.9483, 7.1021



37.2815, 37.8300, 11.1315



10.8042, 10.9775, 11.1122



15.6863, 8.8899, 0.8892



0.7952, 0.5259, 0.0596

Inverse Universe

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



27.7770, 35.3105, 59.3842



43.9621, 56.6149, 103.2185



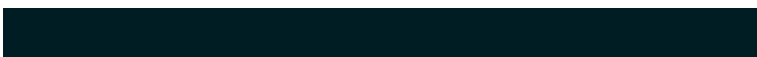
18.2714, 16.2991, 56.2156



10.7581, 11.6903, 13.6069



14.6513, 18.6966, 37.5810



0.7412, 0.9801, 1.7953

Previews

White Background



This preview shows how the XYZ color 28.8416, 20.9501, 8.3180 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



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 28.8416, 20.9501, 8.3180

Background



This preview shows how black text looks on a background with the XYZ color 28.8416, 20.9501, 8.3180.



This preview shows how white text looks on a background with the XYZ color 28.8416, 20.9501,

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

28.8416, 20.9501, 8.3180

Protanopia

19.5558, 21.1761, 10.8413

Deuteranopia

21.5018, 21.1243, 7.9452



Tritanopia

30.1667, 20.9727, 14.2625

Trichromacy



Original Color

28.8416, 20.9501, 8.3180

Protanomaly

22.0822, 20.5002, 9.8143

Deuteranomaly

23.8205, 20.7642, 8.0626

Tritanomaly

29.4952, 20.8126, 11.6952

Monochromacy



Original Color

28.8416, 20.9501, 8.3180

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.2785, 19.6134, 15.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8416, 20.9501, 8.3180 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(199, 96, 70)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 96, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 96, 70) }
```

Border

The CSS property to change the border of an element to XYZ 28.8416, 20.9501, 8.3180 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(199, 96, 70) }
```


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

```
.border{ border-color:rgb(199, 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(199, 96, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 96, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 96, 70);  
box-shadow:4px 4px 4px 4px rgb(199, 96,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8416, 20.9501, 8.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 96, 70) }
```

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

```
.background{ background-color: rgb(199, 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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