

Converting Colors

XYZ(28.3583, 20.5504, 6.4087)

Have a look what the booklet for
XYZ(28.3583, 20.5504, 6.4087)
contains.

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Color

**XYZ(28.4091, 20.6320,
6.4880)**

Conversions

Conversions Part 1

Format	Color
Hex	C75F3A
RGB	199, 95, 58
RGB Percent	78%, 37%, 23%
CMY	0.2196, 0.6274, 0.7725
CMYK	0.00, 0.52, 0.71, 0.22
HSL	16°, 56%, 50%
HSV	16°, 71%, 78%
XYZ	28.4091, 20.6320, 6.4880
YIQ	121.8780, 73.8610, 10.5410

Conversions

Conversions Part 2

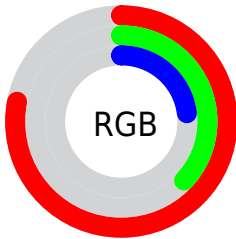
Format	Color
RYB	199, 108, 58
Decimal	13066042
CIE Lab	52.54, 38.86, 40.06
CIE LCh	53, 55.810, 45.877
Yxy	20.6320, 0.5116, 0.3716
Android (android.graphics.Color)	4291256122 (0xFFC75F3A)
YUV	121.8780, -31.4919, 67.6360
Hunter-Lab	45.4225, 32.1520, 23.3269

Details

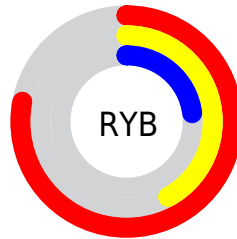
The XYZ color **28.4091, 20.6320, 6.4880** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **24.9730, 30.8616, 58.6731**, and the grayscale version is **18.5421, 19.5078, 21.2439**.

A 20% lighter version of the original color is **54.4837, 43.5013, 19.4349**, and **11.6085, 7.3145, 1.1166** is the 20% darker color. If you saturate the color by 10%, you get **26.7974, 18.0683, 3.9174**, and if you desaturate by 10%, it is **30.4665, 23.7744, 10.1723**.

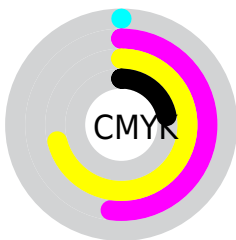
Distribution



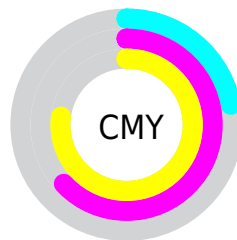
- Red (78%)
- Green (37%)
- Blue (23%)



- Red (78%)
- Yellow (42%)
- Blue (23%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (22%)





- Cyan (22%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4091, 20.6320, 6.4880 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 28.4091, 20.6320, 6.4880 by changing the saturation by 10% instead.


 28.4091, 20.6320,
6.4880


 28.4091, 20.6320,
6.4880


286.4614,
255.3163, 172.8051


 18.7763, 12.8553,
3.0705


 56.5410, 44.4743,
19.4306

 11.6118, 7.3290,
1.1307


 75.7708, 61.3086,
29.7927

 6.5502, 3.6687,
0.0000


 98.9304, 81.9309,
43.3067

 3.2263, 1.4900,
0.0000

 126.3850,
106.7256, 60.3913

 1.2745, 0.2817,
0.0000

 158.5001,
136.0771, 81.4648

 0.1640, 0.0000,
0.0000

 195.6409,

 0.0000, 0.0000,

170.3698, 106.9460

0.0000

238.1729,
209.9881, 137.2532

■ 28.4091, 20.6320,
6.4880

■ 28.4091, 20.6320,
6.4880

■ 26.7974, 18.0683,
3.9174

■ 30.4665, 23.7744,
10.1723

■ 25.5918, 16.0423,
2.3286

■ 33.0012, 27.5260,
15.0797

■ 24.7912, 14.6184,
1.5150

■ 36.0434, 31.9192,
21.3078

■ 39.6202, 36.9827,
28.9436

■ 43.7568, 42.7438,
38.0670

■ 48.4766, 49.2279,
48.7516

■ 53.8017, 56.4594,
61.0661

■ 59.7530, 64.4612,
75.0754

■ 66.3504, 73.2556,
90.8404

Harmonies

Analogous

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



32.3588, 20.6320, 14.8344



28.4091, 20.6320, 6.4880



22.4487, 20.6320, 3.5774

Triad

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



28.4091, 20.6320, 6.4880



10.6868, 20.6320, 15.5592



22.8100, 20.6320, 69.0878

Complementary

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



28.4091, 20.6320, 6.4880



24.9730, 30.8616, 58.6731

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.



17.0215, 20.6320, 69.6222



28.4091, 20.6320, 6.4880



10.7456, 20.6320, 32.3447

Square

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



28.4091, 20.6320, 6.4880



12.6656, 20.6320, 6.7935



12.8461, 20.6320, 53.9313



28.7180, 20.6320, 52.7061

Rectangle

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



28.4091, 20.6320, 6.4880



18.4942, 20.6320, 3.3490



12.8461, 20.6320, 53.9313



20.7700, 20.6320, 71.3254

Sweetspot

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



28.4096, 20.6331, 6.4884



76.2647, 74.3564, 65.8689



31.7444, 17.8395, 36.7739



15.8705, 15.2869, 13.0902



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.



28.4096, 20.6331, 6.4884



45.6984, 29.6107, 5.1618



37.5475, 38.9090, 9.5343



10.8565, 11.0821, 11.1296



16.0030, 9.5233, 0.9947



0.8188, 0.5731, 0.0675

Inverse Universe

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



24.9730, 30.8616, 58.6731



39.0785, 48.0768, 101.8278



15.9901, 12.8958, 55.6788



10.7021, 11.5782, 13.5883



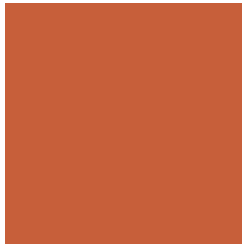
13.3896, 16.1730, 37.1604



0.6906, 0.8791, 1.7784

Previews

White Background



This preview shows how the XYZ color 28.4091, 20.6320, 6.4880 looks on a white background.

Color Contrast Check

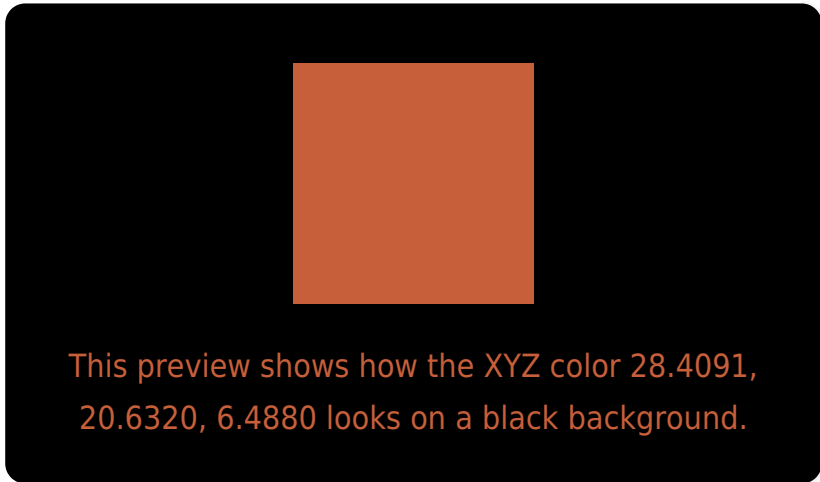
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4091, 20.6320, 6.4880

Background



This preview shows how black text looks on a background with the XYZ color 28.4091, 20.6320, 6.4880.



This preview shows how white text looks on a background with the XYZ color 28.4091, 20.6320,

6.4880.

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

28.4091, 20.6320, 6.4880

Protanopia

19.1517, 20.8280, 8.4797

Deuteranopia

21.0466, 20.7488, 6.1445



Tritanopia

29.8549, 20.5744, 13.4641

Trichromacy



Original Color

28.4091, 20.6320, 6.4880

Protanomaly

21.7541, 20.2087, 7.6046

Deuteranomaly

23.3636, 20.4059, 6.1974

Tritanomaly

29.1696, 20.5428, 10.4104

Monochromacy



Original Color

28.4091, 20.6320, 6.4880

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.6240, 18.9732, 14.3796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4091, 20.6320, 6.4880 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, 95, 58)` looks like.

```
.text, #text, p{  
    color:rgb(199, 95, 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(199, 95, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 95, 58) }
```

Border

The CSS property to change the border of an element to XYZ 28.4091, 20.6320, 6.4880 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, 95, 58) }
```


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

```
.border{ border-color:rgb(199, 95, 58) }
```

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

Here you see how a box with a 4 pixel rgb(199, 95, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 95, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 95, 58);  
box-shadow:4px 4px 4px 4px rgb(199, 95,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4091, 20.6320, 6.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 95, 58) }
```

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

```
.background{ background-color: rgb(199, 95,  
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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