

Converting Colors

XYZ(28.1702, 20.3683, 4.4545)

Have a look what the booklet for
XYZ(28.1702, 20.3683, 4.4545)
contains.

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Color

**XYZ(28.2051, 20.4380,
4.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	C85E28
RGB	200, 94, 40
RGB Percent	78%, 37%, 16%
CMY	0.2157, 0.6313, 0.8431
CMYK	0.00, 0.53, 0.80, 0.22
HSL	20°, 67%, 47%
HSV	20°, 80%, 78%
XYZ	28.2051, 20.4380, 4.4658
YIQ	119.5380, 80.5100, 5.6780

Conversions

Conversions Part 2

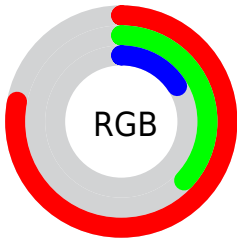
Format	Color
R_{YB}	200, 122, 40
Decimal	13131304
CIE _{Lab}	52.33, 38.98, 48.84
CIE _{LCh}	52, 62.486, 51.402
Yxy	20.4380, 0.5311, 0.3848
Android (android.graphics.Color)	4291321384 (0xFFC85E28)
YUV	119.5380, -39.2122, 70.5652
Hunter-Lab	45.2084, 32.2498, 25.7891

Details

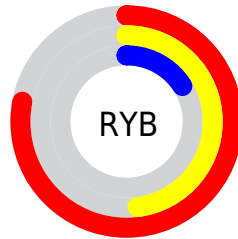
The XYZ color **28.2051, 20.4380, 4.4658** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **21.5782, 25.1770, 58.3654**, and the grayscale version is **17.8089, 18.7364, 20.4039**.

A 20% lighter version of the original color is **53.4769, 42.8487, 14.9033**, and **11.5113, 7.2167, 0.7863** is the 20% darker color. If you saturate the color by 10%, you get **26.8700, 18.1787, 2.7545**, and if you desaturate by 10%, it is **29.9193, 23.1744, 7.1713**.

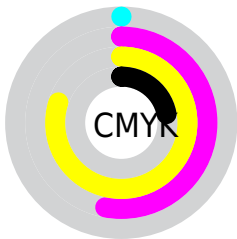
Distribution



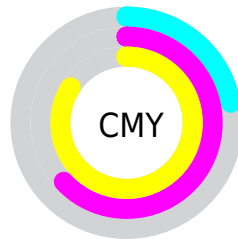
- Red (78%)
- Green (37%)
- Blue (16%)



- Red (78%)
- Yellow (48%)
- Blue (16%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2051, 20.4380, 4.4658 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 28.2051, 20.4380, 4.4658 by changing the saturation by 10% instead.

 28.2051, 20.4380,
4.4658


 28.2051, 20.4380,
4.4658

285.5080,
254.2765, 153.2700


 18.6216, 12.7138,
1.8842


 56.2181, 44.1503,
15.0705


 11.4995, 7.2318,
0.4827


 75.3782, 60.9072,
23.9308

 6.4736, 3.6075,
0.0000


 98.4613, 81.4439,
35.7209

 3.1785, 1.4565,
0.0000

 125.8327,
106.1446, 50.8596

 1.2489, 0.2578,
0.0000

 157.8577,
135.3939, 69.7653

 0.1444, 0.0000,
0.0000

 194.9017,

 0.0000, 0.0000,

169.5760, 92.8566

0.0000

237.3300,
209.0754, 120.5520

■ 28.2051, 20.4380,
4.4658

■ 28.2051, 20.4380,
4.4658

■ 26.8700, 18.1787,
2.7545

■ 29.9193, 23.1744,
7.1713

■ 25.8567, 16.3543,
1.7939

■ 32.0446, 26.4133,
10.9990

■ 25.8567, 16.3542,
1.7939

■ 34.6107, 30.1818,
16.0583

■ 37.6437, 34.5039,
22.4455

■ 41.1676, 39.4021,
30.2469

■ 45.2044, 44.8973,
39.5416

■ 49.7750, 51.0096,
50.4028

■ 54.8989, 57.7580,
62.8989

■ 60.5945, 65.1606,
77.0941

Harmonies

Analogous

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



33.3610, 20.4380, 11.6715



28.2051, 20.4380, 4.4658



21.3334, 20.4380, 2.3933

Triad

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



28.2051, 20.4380, 4.4658



9.5857, 20.4380, 17.3684



24.2959, 20.4380, 74.1827

Complementary

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



28.2051, 20.4380, 4.4658



21.5782, 25.1770, 58.3654

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.



17.6353, 20.4380, 78.8378



28.2051, 20.4380, 4.4658



10.0383, 20.4380, 37.8375

Square

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



28.2051, 20.4380, 4.4658



11.2763, 20.4380, 6.6663



12.6882, 20.4380, 62.9855



30.7797, 20.4380, 52.4601

Rectangle

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



28.2051, 20.4380, 4.4658



17.0825, 20.4380, 2.4620



12.6882, 20.4380, 62.9855



21.9740, 20.4380, 78.1405

Sweetspot

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



28.2056, 20.4391, 4.4661



75.1177, 73.4711, 61.1435



29.8184, 15.8930, 28.9628



15.5458, 14.9993, 11.8662



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.



28.2056, 20.4391, 4.4661



45.1953, 29.0812, 3.5241



39.2097, 42.4474, 8.1342



10.9216, 11.2123, 11.1513



16.5156, 10.5483, 1.1656



0.8492, 0.6339, 0.0776

Inverse Universe

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



21.5782, 25.1770, 58.3654



33.0007, 36.9319, 99.9970



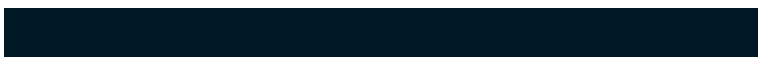
13.2878, 8.5961, 55.6019



10.6335, 11.4412, 13.5654



12.0033, 13.4006, 36.6983



0.6333, 0.7645, 1.7593

Previews

White Background



This preview shows how the XYZ color 28.2051, 20.4380, 4.4658 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 28.2051, 20.4380, 4.4658 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 28.2051, 20.4380, 4.4658

Background



This preview shows how black text looks on a background with the XYZ color 28.2051, 20.4380, 4.4658.



This preview shows how white text looks on a background with the XYZ color 28.2051, 20.4380,

4.4658.

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

28.2051, 20.4380, 4.4658

Protanopia

18.8304, 20.7189, 5.9124

Deuteranopia

20.9447, 20.5617, 4.1612



Tritanopia

29.8672, 20.3442, 12.9423

Trichromacy



Original Color

28.2051, 20.4380, 4.4658

Protanomaly

21.4107, 19.9133, 5.2999

Deuteranomaly

23.0982, 20.1516, 4.1856

Tritanomaly

28.9796, 20.2242, 8.8548

Monochromacy



Original Color

28.2051, 20.4380, 4.4658

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.9672, 18.5138, 12.4187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2051, 20.4380, 4.4658 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, 94, 40)` looks like.

```
.text, #text, p{  
    color:rgb(200, 94, 40)  
}
```

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, 94, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 94, 40) }
```

Border

The CSS property to change the border of an element to XYZ 28.2051, 20.4380, 4.4658 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, 94, 40) }
```


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

```
.border{ border-color:rgb(200, 94, 40) }
```

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

Here you see how a box with a 4 pixel rgb(200, 94, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 94, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 94, 40);  
box-shadow:4px 4px 4px 4px rgb(200, 94,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2051, 20.4380, 4.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 94, 40) }
```

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

```
.background{ background-color: rgb(200, 94,  
40) }
```

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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