

Converting Colors

XYZ(28.1467, 20.3212, 4.4465)

Have a look what the booklet for
XYZ(28.1467, 20.3212, 4.4465)
contains.

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Color

**XYZ(28.1168, 20.2613,
4.4364)**

Conversions

Conversions Part 1

Format	Color
Hex	C85D28
RGB	200, 93, 40
RGB Percent	78%, 36%, 16%
CMY	0.2157, 0.6353, 0.8431
CMYK	0.00, 0.53, 0.80, 0.22
HSL	20°, 67%, 47%
HSV	20°, 80%, 78%
XYZ	28.1168, 20.2613, 4.4364
YIQ	118.9510, 80.7850, 6.2010

Conversions

Conversions Part 2

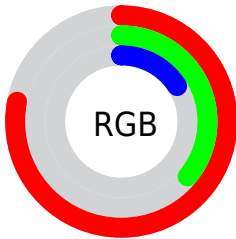
Format	Color
R_{YB}	200, 119, 40
Decimal	13131048
CIE Lab	52.13, 39.48, 48.65
CIE LCh	52, 62.655, 50.935
Yxy	20.2613, 0.5324, 0.3836
Android (android.graphics.Color)	4291321128 (0xFFC85D28)
YUV	118.9510, -38.9228, 71.0800
Hunter-Lab	45.0126, 32.7269, 25.6652

Details

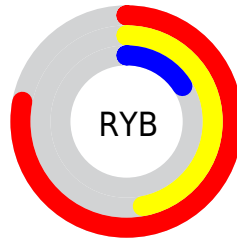
The XYZ color **28.1168, 20.2613, 4.4364** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **21.7332, 25.4869, 58.4172**, and the grayscale version is **17.6212, 18.5389, 20.1888**.

A 20% lighter version of the original color is **53.3221, 42.5390, 14.8517**, and **11.4754, 7.1449, 0.7743** is the 20% darker color. If you saturate the color by 10%, you get **26.7874, 18.0135, 2.7270**, and if you desaturate by 10%, it is **29.8283, 22.9924, 7.1411**.

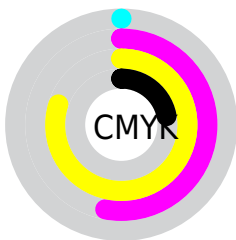
Distribution



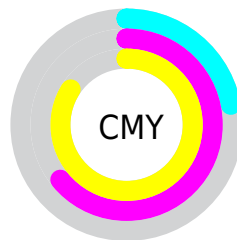
- Red (78%)
- Green (36%)
- Blue (16%)



- Red (78%)
- Yellow (47%)
- Blue (16%)



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





- Cyan (22%)
- Magenta (64%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1168, 20.2613, 4.4364 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 28.1168, 20.2613, 4.4364 by changing the saturation by 10% instead.


 28.1168, 20.2613,
4.4364


 28.1168, 20.2613,
4.4364


285.0946,
253.3262, 152.9590


 18.5546, 12.5851,
1.8677


 56.0782, 43.8548,
15.0043


 11.4510, 7.1435,
0.4720


 75.2081, 60.5410,
23.8406

 6.4406, 3.5520,
0.0000


 98.2581, 80.9993,
35.6032

 3.1580, 1.4263,
0.0000

 125.5933,
105.6141, 50.7106

 1.2378, 0.2360,
0.0000

 157.5792,
134.7697, 69.5813

 0.1359, 0.0000,
0.0000

 194.5812,

 0.0000, 0.0000,

168.8507, 92.6339

0.0000

236.9645,
208.2414, 120.2870

■ 28.1168, 20.2613,
4.4364

■ 28.1168, 20.2613,
4.4364

■ 26.7874, 18.0135,
2.7270

■ 29.8283, 22.9924,
7.1411

■ 25.7826, 16.2060,
1.7692

■ 31.9544, 26.2327,
10.9690

■ 25.7825, 16.2058,
1.7691

■ 34.5249, 30.0100,
16.0299

■ 37.5662, 34.3488,
22.4198

■ 41.1027, 39.2721,
30.2255

■ 45.1565, 44.8014,
39.5259

■ 49.7488, 50.9570,
50.3944

■ 54.8992, 57.7583,
62.8994

■ 60.6264, 65.2240,
77.1052

Harmonies

Analogous

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



33.2164, 20.2613, 11.6990



28.1168, 20.2613, 4.4364



21.2658, 20.2613, 2.3388

Triad

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



28.1168, 20.2613, 4.4364



9.4701, 20.2613, 16.9537



24.0062, 20.2613, 74.1834

Complementary

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



28.1168, 20.2613, 4.4364



21.7332, 25.4869, 58.4172

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.



17.3803, 20.2613, 78.5056



28.1168, 20.2613, 4.4364



9.8871, 20.2613, 37.2309

Square

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



28.1168, 20.2613, 4.4364



11.1853, 20.2613, 6.4546



12.4875, 20.2613, 62.3872



30.5009, 20.2613, 52.6232

Rectangle

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



28.1168, 20.2613, 4.4364



17.0129, 20.2613, 2.3839



12.4875, 20.2613, 62.3872



21.6919, 20.2613, 78.0402

Sweetspot

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



28.1173, 20.2624, 4.4367



75.0207, 73.2771, 61.1111



30.0296, 15.9776, 30.0748



15.5228, 14.9533, 11.8586



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.



28.1173, 20.2624, 4.4367



45.0626, 28.8158, 3.4798



38.7023, 41.4325, 7.9651



10.9161, 11.2014, 11.1495



16.4675, 10.4521, 1.1495



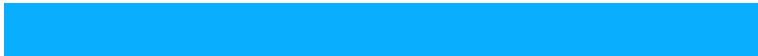
0.8465, 0.6285, 0.0767

Inverse Universe

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



21.7332, 25.4869, 58.4172



33.2946, 37.5196, 100.0949



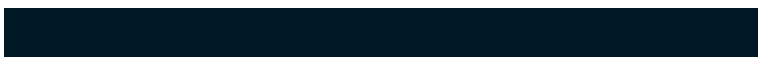
13.4492, 8.9188, 55.6559



10.6392, 11.4525, 13.5673



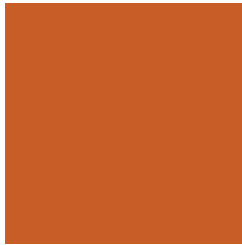
12.1117, 13.6174, 36.7344



0.6379, 0.7736, 1.7608

Previews

White Background



This preview shows how the XYZ color 28.1168, 20.2613, 4.4364 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 28.1168, 20.2613, 4.4364 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 28.1168, 20.2613, 4.4364

Background



This preview shows how black text looks on a background with the XYZ color 28.1168, 20.2613, 4.4364.



This preview shows how white text looks on a background with the XYZ color 28.1168, 20.2613,

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

28.1168, 20.2613, 4.4364

Protanopia

18.5355, 20.3779, 5.8621

Deuteranopia

20.7488, 20.4607, 4.1521



Tritanopia

29.7411, 20.1633, 12.6803

Trichromacy



Original Color

28.1168, 20.2613, 4.4364

Protanomaly

21.0962, 19.5846, 5.2531

Deuteranomaly

23.0982, 20.1516, 4.1856

Tritanomaly

28.8958, 20.0567, 8.8269

Monochromacy



Original Color

28.1168, 20.2613, 4.4364

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.6341, 18.1859, 12.1483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1168, 20.2613, 4.4364 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, 93, 40)` looks like.

```
.text, #text, p{  
    color:rgb(200, 93, 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, 93, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 93, 40) }
```

Border

The CSS property to change the border of an element to XYZ 28.1168, 20.2613, 4.4364 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, 93, 40) }
```


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

```
.border{ border-color:rgb(200, 93, 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, 93, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 93, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 93, 40);  
box-shadow:4px 4px 4px 4px rgb(200, 93,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1168, 20.2613, 4.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 93, 40) }
```

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

```
.background{ background-color: rgb(200, 93,  
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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