

Converting Colors

XYZ(28.2501, 20.2433, 0.3337)

Have a look what the booklet for
XYZ(28.2501, 20.2433, 0.3337)
contains.

| | |
|--|----|
| XYZ(28.7290, 20.4917, 2.4411) | 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(28.7290, 20.4917,
2.4411)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CC5C00 |
| RGB | 204, 92, 0 |
| RGB Percent | 80%, 36%, 0% |
| CMY | 0.2000, 0.6392, 1.0000 |
| CMYK | 0.00, 0.55, 1.00, 0.20 |
| HSL | 27°, 100%, 40% |
| HSV | 27°, 100%, 80% |
| XYZ | 28.7290, 20.4917, 2.4411 |
| YIQ | 115.0000, 96.2840, -4.8680 |

Conversions

Conversions Part 2

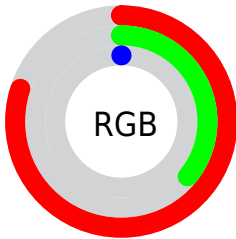
| Format | Color |
|-------------------------------------|--|
| RYB | 204, 168, 0 |
| Decimal | 13392896 |
| CIELab | 52.39, 40.78, 61.52 |
| CIElCh | 52, 73.804, 56.461 |
| Yxy | 20.4917, 0.5561, 0.3967 |
| Android (android.graphics.Color) | 4291582976 (0xFFCC5C00) |
| YUV | 115.0000, -56.6950, 78.0530 |
| Hunter-Lab | 45.2678, 34.0657, 28.4902 |

Details

The XYZ color **28.7290, 20.4917, 2.4411** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **16.6928, 15.9472, 59.3246**, and the grayscale version is **16.4428, 17.2991, 18.8387**.

A 20% lighter version of the original color is **52.2626, 41.8697, 10.0297**, and **11.9483, 7.3367, 0.7864** is the 20% darker color. If you saturate the color by 10%, you get **28.7292, 20.4924, 2.4412**, and if you desaturate by 10%, it is **29.9024, 22.6309, 3.4730**.

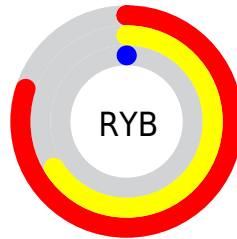
Distribution



Red (80%)

Green (36%)

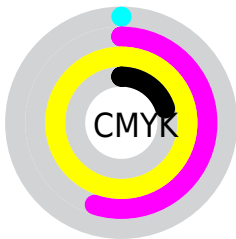
Blue (0%)



Red (80%)

Yellow (66%)

Blue (0%)

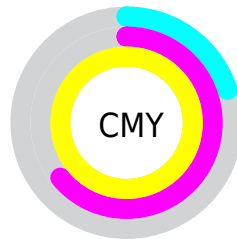


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7290, 20.4917, 2.4411 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 28.7290, 20.4917, 2.4411 by changing the saturation by 10% instead.

 28.7290, 20.4917,
2.4411


 28.7290, 20.4917,
2.4411


287.9515,
254.5647, 128.8887


 19.0192, 12.7530,
0.8087


 57.0468, 44.2400,
10.2150

 11.7882, 7.2587,
0.0000


 76.3854, 61.0184,
17.2018

 6.6708, 3.6244,
0.0000


 99.6644, 81.5788,
26.8133

 3.3016, 1.4658,
0.0000

 127.2491,
106.3056, 39.4679

 1.3152, 0.2644,
0.0000

 159.5047,
135.5832, 55.5842

 0.1945, 0.0000,
0.0000


 196.7968,


 0.0000, 0.0000,


169.7960, 75.5807


0.0000


 239.4906,
209.3283, 99.8760


 28.7290, 20.4917,
2.4411


 28.7290, 20.4917,
2.4411


 28.7292, 20.4924,
2.4412

 29.9024, 22.6309,
3.4730

 31.3617, 25.1225,
5.2762

 33.1600, 27.9975,
8.1001

 35.3276, 31.2764,
12.0789

 37.8907, 34.9779,
17.3258

■ 40.8728, 39.1190,
23.9404

■ 44.2952, 43.7155,
32.0122

■ 48.1775, 48.7824,
41.6230

■ 52.5382, 54.3340,
52.8485

Harmonies

Analogous

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



35.7282, 20.4917, 8.3658



28.7290, 20.4917, 2.4411



20.3937, 20.4917, 1.1791

Triad

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



28.7290, 20.4917, 2.4411



8.2202, 20.4917, 19.8247



26.7498, 20.4917, 84.7629

Complementary

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



28.7290, 20.4917, 2.4411



16.6928, 15.9472, 59.3246

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.



18.5877, 20.4917, 95.6941



28.7290, 20.4917, 2.4411



9.0963, 20.4917, 46.6722

Square

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



28.7290, 20.4917, 2.4411



9.6507, 20.4917, 6.2463



12.4606, 20.4917, 78.6216



34.3921, 20.4917, 54.3880

Rectangle

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



28.7290, 20.4917, 2.4411



15.6184, 20.4917, 1.4251



12.4606, 20.4917, 78.6216



23.9233, 20.4917, 91.4364

Sweetspot

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



28.7294, 20.4928, 2.4414



73.1209, 72.0840, 52.4429



27.8376, 14.0117, 16.6255



15.1159, 14.7157, 9.9468



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.



28.7294, 20.4928, 2.4414



47.3715, 33.5230, 3.9738



44.1488, 51.3317, 7.5812



11.6220, 12.0330, 11.7895



18.1730, 13.0789, 1.5667



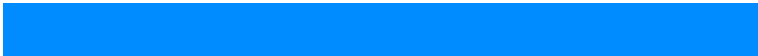
1.0129, 0.8256, 0.1060

Inverse Universe

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



16.6928, 15.9472, 59.3246



27.4271, 25.9743, 98.1757



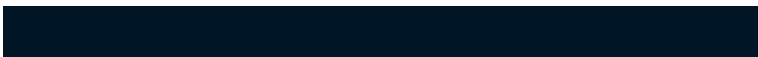
11.0098, 4.5811, 57.4302



11.1037, 11.8478, 14.2720



10.6007, 10.2255, 37.3713



0.6220, 0.6779, 1.9530

Previews

White Background



This preview shows how the XYZ color 28.7290, 20.4917, 2.4411 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 28.7290, 20.4917, 2.4411 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 28.7290, 20.4917, 2.4411

Background



This preview shows how black text looks on a background with the XYZ color 28.7290, 20.4917, 2.4411.



This preview shows how white text looks on a background with the XYZ color 28.7290, 20.4917,

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

28.7290, 20.4917, 2.4411

Protanopia

18.7337, 20.7195, 3.6280

Deuteranopia

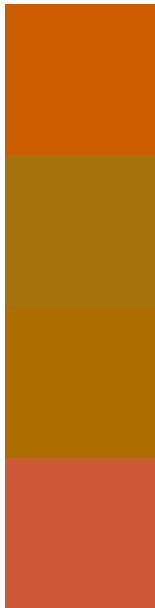
20.8949, 20.5646, 2.8681



Tritanopia

30.6697, 20.5327, 12.2443

Trichromacy



Original Color

28.7290, 20.4917, 2.4411

Protanomaly

21.6007, 20.0605, 3.0814

Deuteranomaly

23.1478, 20.0512, 2.6503

Tritanomaly

29.4303, 20.2641, 6.3632

Monochromacy



Original Color

28.7290, 20.4917, 2.4411

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.4929, 17.1995, 8.6485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7290, 20.4917, 2.4411 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(204, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 92, 0)  
}
```

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(204, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 92, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.7290, 20.4917, 2.4411 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(204, 92, 0) }
```


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

```
.border{ border-color:rgb(204, 92, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 92, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 92, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7290, 20.4917, 2.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 92, 0) }
```

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

```
.background{ background-color: rgb(204, 92,  
0) }
```

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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