

Converting Colors

XYZ(28.7425, 19.9354, 2.4733)

Have a look what the booklet for
XYZ(28.7425, 19.9354, 2.4733)
contains.

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Color

**XYZ(28.6940, 19.9695,
2.4857)**

Conversions

Conversions Part 1

Format	Color
Hex	CD5805
RGB	205, 88, 5
RGB Percent	80%, 35%, 2%
CMY	0.1961, 0.6549, 0.9804
CMYK	0.00, 0.57, 0.98, 0.20
HSL	25°, 95%, 41%
HSV	25°, 98%, 80%
XYZ	28.6940, 19.9695, 2.4857
YIQ	113.5210, 96.3750, -1.0090

Conversions

Conversions Part 2

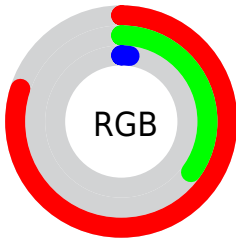
Format	Color
RYB	205, 147, 5
Decimal	13457413
CIELab	51.80, 43.17, 60.17
CIElCh	52, 74.048, 54.342
Yxy	19.9695, 0.5610, 0.3904
Android (android.graphics.Color)	4291647493 (0xFFCD5805)
YUV	113.5210, -53.5009, 80.2271
Hunter-Lab	44.6872, 36.4134, 27.9831

Details

The XYZ color **28.6940, 19.9695, 2.4857** 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 **18.0411, 18.3581, 60.3500**, and the grayscale version is **15.9863, 16.8188, 18.3157**.

A 20% lighter version of the original color is **51.7190, 40.6914, 10.1294**, and **11.9586, 7.1014, 0.7404** is the 20% darker color. If you saturate the color by 10%, you get **28.4315, 19.4887, 2.2632**, and if you desaturate by 10%, it is **29.9147, 22.1656, 3.6501**.

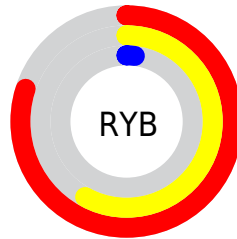
Distribution



Red (80%)

Green (35%)

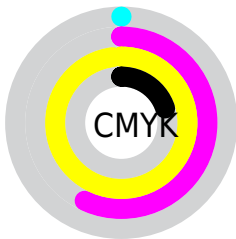
Blue (2%)



Red (80%)

Yellow (58%)

Blue (2%)

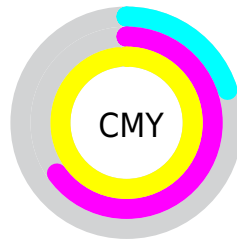


Cyan (0%)

Magenta (57%)

Yellow (98%)

Black (20%)



Cyan (20%)

Magenta (65%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6940, 19.9695, 2.4857 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 28.6940, 19.9695, 2.4857 by changing the saturation by 10% instead.

■ 28.6940, 19.9695,
2.4857

■ 28.6940, 19.9695,
2.4857

287.7887,
251.7500, 129.5136

■ 18.9926, 12.3729,
0.8326

■ 56.9915, 43.3660,
10.3306

■ 11.7689, 6.9982,
0.0000

■ 76.3183, 59.9348,
17.3653

■ 6.6576, 3.4609,
0.0000

■ 99.5842, 80.2629,
27.0329

■ 3.2933, 1.3769,
0.0000

■ 127.1547,
104.7350, 39.7520

■ 1.3107, 0.1996,
0.0000

■ 159.3950,
133.7354, 55.9411


■ 0.1912, 0.0000,
0.0000


■ 196.6705,


■ 0.0000, 0.0000,


167.6484, 76.0186


0.0000


 239.3467,
206.8584, 100.4033


 28.6940, 19.9695,
2.4857


 28.6940, 19.9695,
2.4857


 28.4315, 19.4887,
2.2632

 29.9147, 22.1656,
3.6501

 31.4631, 24.7627,
5.7065

 33.3805, 27.7894,
8.8369

 35.6978, 31.2684,
13.1714

 38.4418, 35.2206,
18.8212

■ 41.6368, 39.6649,
25.8847

■ 45.3050, 44.6194,
34.4507

■ 49.4670, 50.1009,
44.6008

■ 54.1419, 56.1254,
56.4105

Harmonies

Analogous

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



35.3929, 19.9695, 8.7721



28.6940, 19.9695, 2.4857



20.4386, 19.9695, 1.0983

Triad

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



28.6940, 19.9695, 2.4857



7.9391, 19.9695, 17.9190



25.5698, 19.9695, 85.2936

Complementary

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



28.6940, 19.9695, 2.4857



18.0411, 18.3581, 60.3500

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.



17.5933, 19.9695, 94.2240



28.6940, 19.9695, 2.4857



8.6367, 19.9695, 43.6078

Square

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



28.6940, 19.9695, 2.4857



9.5057, 19.9695, 5.4563



11.7512, 19.9695, 75.5576



33.2815, 19.9695, 55.8183

Rectangle

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



28.6940, 19.9695, 2.4857



15.6262, 19.9695, 1.2536



11.7512, 19.9695, 75.5576



22.7832, 19.9695, 91.3655

Sweetspot

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



28.6944, 19.9706, 2.4860



73.0645, 71.5559, 53.7037



28.9328, 14.5684, 20.6894



15.0757, 14.5575, 10.1736



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.



28.6944, 19.9706, 2.4860



46.3767, 31.5334, 3.6422



42.5531, 47.6880, 7.1056



11.5884, 11.9658, 11.7783



17.7888, 12.3105, 1.4386



0.9920, 0.7837, 0.0990

Inverse Universe

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



18.0411, 18.3581, 60.3500



28.8241, 28.7682, 98.6414



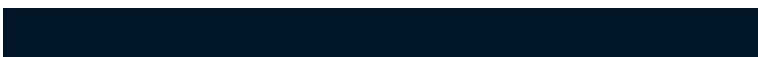
11.4297, 5.1354, 58.1462



11.1378, 11.9161, 14.2834



11.1310, 11.2859, 37.5480



0.6480, 0.7298, 1.9617

Previews

White Background



This preview shows how the XYZ color 28.6940, 19.9695, 2.4857 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 28.6940, 19.9695, 2.4857 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 28.6940, 19.9695, 2.4857

Background



This preview shows how black text looks on a background with the XYZ color 28.6940, 19.9695, 2.4857.



This preview shows how white text looks on a background with the XYZ color 28.6940, 19.9695,

2.4857.

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

28.6940, 19.9695, 2.4857

Protanopia

18.1491, 20.0413, 3.5736

Deuteranopia

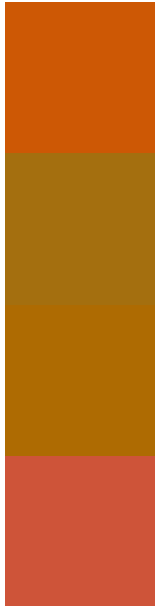
20.3831, 20.1250, 2.8102



Tritanopia

30.4697, 19.9881, 11.2690

Trichromacy



Original Color

28.6940, 19.9695, 2.4857

Protanomaly

21.0805, 19.2959, 3.0654

Deuteranomaly

22.7242, 19.5184, 2.6272

Tritanomaly

29.3624, 19.7579, 6.1370

Monochromacy



Original Color

28.6940, 19.9695, 2.4857

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.3202, 16.8006, 8.7558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6940, 19.9695, 2.4857 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(205, 88, 5)` looks like.

```
.text, #text, p{  
    color:rgb(205, 88, 5)  
}
```

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(205, 88, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 88, 5) }
```

Border

The CSS property to change the border of an element to XYZ 28.6940, 19.9695, 2.4857 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(205, 88, 5) }
```


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

```
.border{ border-color:rgb(205, 88, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 88, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 88, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 88, 5);  
box-shadow:4px 4px 4px 4px rgb(205, 88, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.6940, 19.9695, 2.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 88, 5) }
```

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

```
.background{ background-color: rgb(205, 88,  
5) }
```

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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