

Converting Colors

XYZ(28.7633, 17.8652, 2.0035)

Have a look what the booklet for
XYZ(28.7633, 17.8652, 2.0035)
contains.

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Color

**XYZ(28.6564, 17.8403,
1.9906)**

Conversions

Conversions Part 1

Format	Color
Hex	D24402
RGB	210, 68, 2
RGB Percent	82%, 27%, 1%
CMY	0.1765, 0.7333, 0.9921
CMYK	0.00, 0.68, 0.99, 0.18
HSL	19°, 98%, 42%
HSV	19°, 99%, 82%
XYZ	28.6564, 17.8403, 1.9906
YIQ	102.9340, 105.8180, 9.5780

Conversions

Conversions Part 2

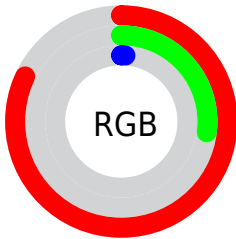
Format	Color
RYB	210, 99, 2
Decimal	13779970
CIELab	49.30, 53.80, 59.90
CIELCh	49, 80.515, 48.073
Yxy	17.8403, 0.5910, 0.3679
Android (android.graphics.Color)	4291970050 (0xFFD24402)
YUV	102.9340, -49.7605, 93.8969
Hunter-Lab	42.2378, 47.1880, 26.7722

Details

The XYZ color **28.6564, 17.8403, 1.9906** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.6299, 24.6102, 64.5824**, and the grayscale version is **12.9836, 13.6598, 14.8755**.

A 20% lighter version of the original color is **49.1386, 35.7522, 8.5859**, and **11.8541, 6.1110, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **28.5640, 17.6734, 1.9058**, and if you desaturate by 10%, it is **29.7762, 19.8502, 3.0729**.

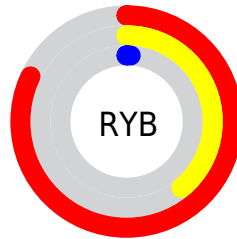
Distribution



Red (82%)

Green (27%)

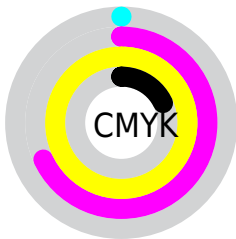
Blue (1%)



Red (82%)

Yellow (39%)

Blue (1%)

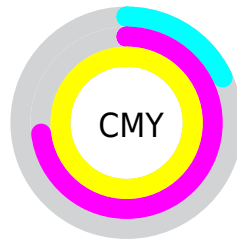


Cyan (0%)

Magenta (68%)

Yellow (99%)

Black (18%)



Cyan (18%)


Magenta (73%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6564, 17.8403, 1.9906 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 28.6564, 17.8403, 1.9906 by changing the saturation by 10% instead.

 28.6564, 17.8403,
1.9906


 28.6564, 17.8403,
1.9906


 287.6138,
239.9694, 122.2306


 18.9640, 10.8354,
0.5495


 56.9321, 39.7650,
9.0151


 11.7481, 5.9563,
0.0000


 76.2461, 55.4536,
15.4922


 6.6434, 2.8185,
0.0000


 99.4980, 74.8056,
24.5039

 3.2844, 1.0377,
0.0000

 127.0532, 98.2052,
36.4688

 1.3059, 0.0000,
0.0000

 159.2770,
126.0371, 51.8053

 0.1876, 0.0000,
0.0000


 196.5348,


 0.0000, 0.0000,


158.6854, 70.9321


0.0000


 239.1920,
196.5347, 94.2677


 28.6564, 17.8403,
1.9906


 28.6564, 17.8403,
1.9906


 28.5640, 17.6734,
1.9058

 29.7762, 19.8502,
3.0729

 31.2781, 22.3740,
5.0533

 33.2186, 25.4558,
8.1641

 35.6362, 29.1301,
12.5491

 38.5647, 33.4283,
18.3304

■ 42.0341, 38.3792,
25.6155

■ 46.0722, 44.0098,
34.5013

■ 50.7047, 50.3453,
45.0766

■ 55.9556, 57.4097,
57.4236

Harmonies

Analogous

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



34.8927, 17.8403, 9.1529



28.6564, 17.8403, 1.9906



20.1453, 17.8403, 0.4353

Triad

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



28.6564, 17.8403, 1.9906



6.3324, 17.8403, 12.0225



21.8832, 17.8403, 92.0796

Complementary

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



28.6564, 17.8403, 1.9906



21.6299, 24.6102, 64.5824

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.



14.1236, 17.8403, 95.3811



28.6564, 17.8403, 1.9906



6.5441, 17.8403, 35.4332

Square

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



28.6564, 17.8403, 1.9906



8.2712, 17.8403, 2.7656



8.9737, 17.8403, 69.8512



30.2500, 17.8403, 62.6958

Rectangle

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



28.6564, 17.8403, 1.9906



14.9943, 17.8403, 0.3696



8.9737, 17.8403, 69.8512



19.0832, 17.8403, 96.7943

Sweetspot

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



28.6568, 17.8414, 1.9909



70.6295, 67.1011, 51.6124



31.6441, 15.7627, 27.8138



14.5329, 13.5497, 9.7525



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.



28.6568, 17.8414, 1.9909



44.1768, 27.1335, 2.9089



41.3162, 43.1601, 6.2107



12.1106, 12.4118, 12.3695



17.5043, 10.9415, 1.1893



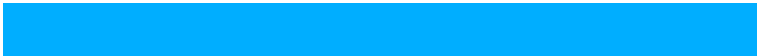
1.0498, 0.7538, 0.0902

Inverse Universe

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



21.6299, 24.6102, 64.5824



33.2008, 37.5217, 100.1003



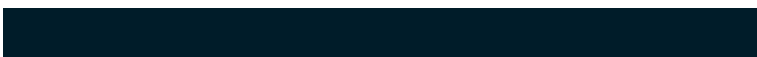
12.4212, 6.1928, 61.5128



11.8288, 12.7479, 15.0808



13.2141, 15.0748, 39.4058



0.8085, 0.9822, 2.2265

Previews

White Background



This preview shows how the XYZ color 28.6564, 17.8403, 1.9906 looks on a white 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

Black Background



This preview shows how the XYZ color 28.6564, 17.8403, 1.9906 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 28.6564, 17.8403, 1.9906

Background



This preview shows how black text looks on a background with the XYZ color 28.6564, 17.8403, 1.9906.



This preview shows how white text looks on a background with the XYZ color 28.6564, 17.8403,

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

28.6564, 17.8403, 1.9906

Protanopia

16.2961, 18.0013, 3.3748

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

29.6248, 17.7972, 7.0281

Trichromacy



Original Color

28.6564, 17.8403, 1.9906

Protanomaly

19.3413, 16.7259, 2.6610

Deuteranomaly

20.9829, 17.0259, 2.2091

Tritanomaly

29.1903, 17.8039, 4.1835

Monochromacy



Original Color

28.6564, 17.8403, 1.9906

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.7949, 13.4565, 6.9191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6564, 17.8403, 1.9906 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(210, 68, 2)` looks like.

```
.text, #text, p{  
    color:rgb(210, 68, 2)  
}
```

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(210, 68, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 68, 2) }
```

Border

The CSS property to change the border of an element to XYZ 28.6564, 17.8403, 1.9906 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(210, 68, 2) }
```


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

```
.border{ border-color:rgb(210, 68, 2) }
```

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

Here you see how a box with a 4 pixel rgb(210, 68, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 68, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 68, 2);  
box-shadow:4px 4px 4px 4px rgb(210, 68, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.6564, 17.8403, 1.9906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 68, 2) }
```

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

```
.background{ background-color: rgb(210, 68,  
2) }
```

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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