

Converting Colors

XYZ(28.6952, 17.9819, 2.1032)

Have a look what the booklet for
XYZ(28.6952, 17.9819, 2.1032)
contains.

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Color

**XYZ(28.7339, 17.9688,
2.0975)**

Conversions

Conversions Part 1

Format	Color
Hex	D24505
RGB	210, 69, 5
RGB Percent	82%, 27%, 2%
CMY	0.1765, 0.7294, 0.9804
CMYK	0.00, 0.67, 0.98, 0.18
HSL	19°, 95%, 42%
HSV	19°, 98%, 82%
XYZ	28.7339, 17.9688, 2.0975
YIQ	103.8630, 104.5800, 9.9880

Conversions

Conversions Part 2

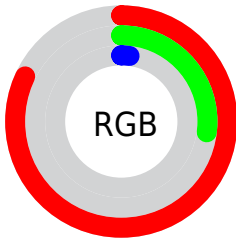
Format	Color
R_{YB}	210, 98, 5
Decimal	13780229
CIE _{Lab}	49.46, 53.43, 59.25
CIE _{LCh}	49, 79.777, 47.956
Yxy	17.9688, 0.5888, 0.3682
Android (android.graphics.Color)	4291970309 (0xFFD24505)
YUV	103.8630, -48.7395, 93.0821
Hunter-Lab	42.3896, 46.8148, 26.7390

Details

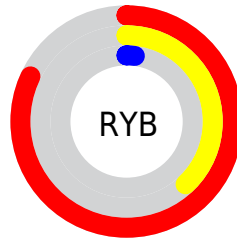
The XYZ color **28.7339, 17.9688, 2.0975** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **21.9736, 25.2417, 64.6864**, and the grayscale version is **13.2291, 13.9180, 15.1567**.

A 20% lighter version of the original color is **49.3172, 36.0231, 8.9113**, and **11.8541, 6.1110, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **28.5012, 17.5476, 1.8848**, and if you desaturate by 10%, it is **29.8927, 20.0321, 3.2686**.

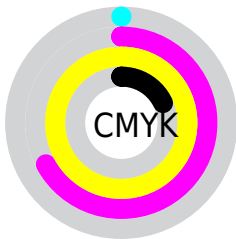
Distribution



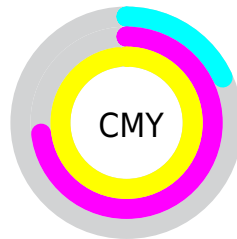
- Red (82%)
- Green (27%)
- Blue (2%)



- Red (82%)
- Yellow (38%)
- Blue (2%)



- Cyan (0%)
- Magenta (67%)
- Yellow (98%)
- Black (18%)





- Cyan (18%)
- Magenta (73%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7339, 17.9688, 2.0975 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 28.7339, 17.9688, 2.0975 by changing the saturation by 10% instead.


 28.7339, 17.9688,
2.0975


 28.7339, 17.9688,
2.0975


287.9743,
240.6951, 123.8728


 19.0229, 10.9276,
0.6143


 57.0545, 39.9842,
9.3057


 11.7909, 6.0182,
0.0000


 76.3948, 55.7271,
15.9084

 6.6727, 2.8561,
0.0000


 99.6756, 75.1394,
25.0682

 3.3027, 1.0571,
0.0000

 127.2623, 98.6054,
37.2036

 1.3158, 0.0000,
0.0000

 159.5201,
126.5096, 52.7333


 0.1950, 0.0000,
0.0000


 196.8145,


 0.0000, 0.0000,


159.2364, 72.0757


0.0000


 239.5107,
197.1701, 95.6493


 28.7339, 17.9688,
2.0975


 28.7339, 17.9688,
2.0975


 28.5012, 17.5476,
1.8848

 29.8927, 20.0321,
3.2686

 31.4493, 22.6226,
5.3988

 33.4533, 25.7822,
8.6828

 35.9428, 29.5454,
13.2606

 38.9510, 33.9437,
19.2519

■ 42.5081, 39.0062,
26.7628

■ 46.6417, 44.7600,
35.8888

■ 51.3774, 51.2309,
46.7179

■ 56.7393, 58.4428,
59.3314

Harmonies

Analogous

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



34.8995, 17.9688, 9.3590



28.7339, 17.9688, 2.0975



20.2835, 17.9688, 0.5070

Triad

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



28.7339, 17.9688, 2.0975



6.4673, 17.9688, 12.1218



21.9456, 17.9688, 91.5239

Complementary

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



28.7339, 17.9688, 2.0975



21.9736, 25.2417, 64.6864

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.



14.2308, 17.9688, 94.6570



28.7339, 17.9688, 2.0975



6.6719, 17.9688, 35.3458

Square

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



28.7339, 17.9688, 2.0975



8.4212, 17.9688, 2.8572



9.0980, 17.9688, 69.3816



30.2546, 17.9688, 62.5800

Rectangle

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



28.7339, 17.9688, 2.0975



15.1510, 17.9688, 0.4379



9.0980, 17.9688, 69.3816



19.1635, 17.9688, 96.1347

Sweetspot

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



28.7343, 17.9699, 2.0978



71.2115, 67.8501, 53.0861



32.0176, 15.9642, 29.6192



14.6405, 13.6871, 10.0286



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.



28.7343, 17.9699, 2.0978



44.0807, 26.9414, 2.8769



40.7937, 42.0887, 6.1176



12.1056, 12.4019, 12.3678



17.4650, 10.8629, 1.1762



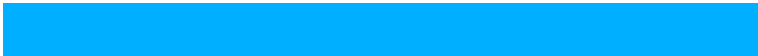
1.0471, 0.7485, 0.0893

Inverse Universe

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



21.9736, 25.2417, 64.6864



33.4546, 38.0292, 100.1849



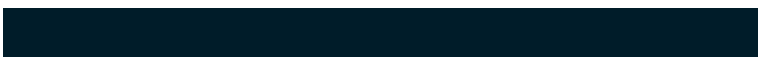
12.6726, 6.6397, 61.5861



11.8340, 12.7583, 15.0825



13.3128, 15.2722, 39.4387



0.8135, 0.9921, 2.2282

Previews

White Background



This preview shows how the XYZ color 28.7339, 17.9688, 2.0975 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 28.7339, 17.9688, 2.0975 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 28.7339, 17.9688, 2.0975

Background



This preview shows how black text looks on a background with the XYZ color 28.7339, 17.9688, 2.0975.



This preview shows how white text looks on a background with the XYZ color 28.7339, 17.9688,

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

28.7339, 17.9688, 2.0975

Protanopia

16.4243, 18.2421, 3.4660

Deuteranopia

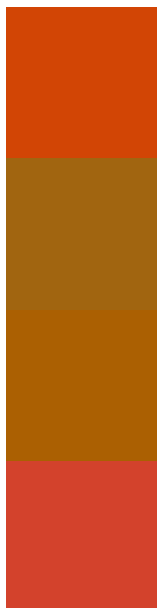
18.1886, 17.9779, 2.5114



Tritanopia

29.7105, 17.9209, 7.2034

Trichromacy



Original Color

28.7339, 17.9688, 2.0975

Protanomaly

19.4451, 16.9218, 2.7316

Deuteranomaly

20.9884, 17.0281, 2.2380

Tritanomaly

29.2668, 17.9272, 4.3006

Monochromacy



Original Color

28.7339, 17.9688, 2.0975

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.1122, 13.7392, 7.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7339, 17.9688, 2.0975 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, 69, 5)` looks like.

```
.text, #text, p{  
    color:rgb(210, 69, 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(210, 69, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 69, 5) }
```

Border

The CSS property to change the border of an element to XYZ 28.7339, 17.9688, 2.0975 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, 69, 5) }
```


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

```
.border{ border-color:rgb(210, 69, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 69, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 69, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 69, 5);  
box-shadow:4px 4px 4px 4px rgb(210, 69, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7339, 17.9688, 2.0975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 69, 5) }
```

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

```
.background{ background-color: rgb(210, 69,  
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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