

Converting Colors

XYZ(27.8523, 18.7384, 2.1489)

Have a look what the booklet for
XYZ(27.8523, 18.7384, 2.1489)
contains.

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Color

**XYZ(27.8443, 18.7222,
2.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5100
RGB	204, 81, 0
RGB Percent	80%, 32%, 0%
CMY	0.2000, 0.6823, 1.0000
CMYK	0.00, 0.60, 1.00, 0.20
HSL	24°, 100%, 40%
HSV	24°, 100%, 80%
XYZ	27.8443, 18.7222, 2.1462
YIQ	108.5430, 99.3090, 0.8850

Conversions

Conversions Part 2

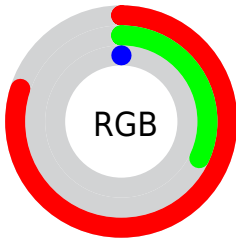
Format	Color
RYB	204, 134, 0
Decimal	13390080
CIELab	50.36, 46.04, 60.39
CIElCh	50, 75.936, 52.680
Yxy	18.7222, 0.5716, 0.3843
Android (android.graphics.Color)	4291580160 (0xFFCC5100)
YUV	108.5430, -53.5117, 83.7158
Hunter-Lab	43.2692, 39.1462, 27.3476

Details

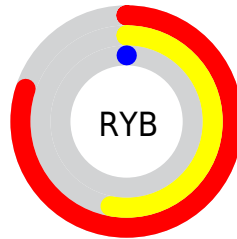
The XYZ color **27.8443, 18.7222, 2.1462** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.9816, 18.5246, 59.7543**, and the grayscale version is **14.5341, 15.2910, 16.6519**.

A 20% lighter version of the original color is **50.6074, 38.6471, 9.2072**, and **11.3539, 6.4015, 0.6372** is the 20% darker color. If you saturate the color by 10%, you get **27.8445, 18.7229, 2.1463**, and if you desaturate by 10%, it is **28.9729, 20.7719, 3.1632**.

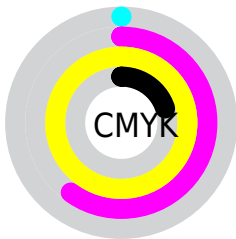
Distribution



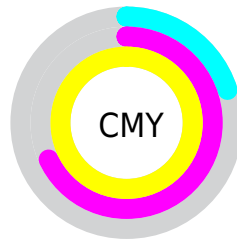
- Red (80%)
- Green (32%)
- Blue (0%)



- Red (80%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (100%)
- Black (20%)





- Cyan (20%)
- Magenta (68%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8443, 18.7222, 2.1462 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 27.8443, 18.7222, 2.1462 by changing the saturation by 10% instead.


 27.8443, 18.7222,
2.1462


 27.8443, 18.7222,
2.1462


283.8158,
244.9108, 124.6072


 18.3482, 11.4697,
0.6431


 55.6461, 41.2642,
9.4368


 11.3014, 6.3837,
0.0000


 74.6826, 57.3224,
16.0957


 6.3388, 3.0798,
0.0000


 97.6298, 77.0847,
25.3216

 3.0947, 1.1735,
0.0000

 124.8533,
100.9355, 37.5333

 1.2041, 0.0399,
0.0000

 156.7182,
129.2591, 53.1491

 0.1096, 0.0000,
0.0000


 193.5900,


 0.0000, 0.0000,


162.4399, 72.5877


0.0000


 235.8341,
200.8624, 96.2675


 27.8443, 18.7222,
2.1462


 27.8443, 18.7222,
2.1462


 27.8445, 18.7229,
2.1463

 28.9729, 20.7719,
3.1632

 30.4121, 23.2232,
4.9596

 32.2169, 26.1111,
7.7857

 34.4196, 29.4604,
11.7762

 37.0484, 33.2932,
17.0450

■ 40.1284, 37.6301,
23.6922

■ 43.6825, 42.4900,
31.8079

■ 47.7319, 47.8910,
41.4744

■ 52.2963, 53.8502,
52.7678

Harmonies

Analogous

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



34.3360, 18.7222, 8.3984



27.8443, 18.7222, 2.1462



19.6624, 18.7222, 0.8048

Triad

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



27.8443, 18.7222, 2.1462



7.1145, 18.7222, 15.6387



23.8380, 18.7222, 85.4502

Complementary

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



27.8443, 18.7222, 2.1462



17.9816, 18.5246, 59.7543

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.



16.0495, 18.7222, 92.9595



27.8443, 18.7222, 2.1462



7.6599, 18.7222, 40.3822

Square

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



27.8443, 18.7222, 2.1462



8.7362, 18.7222, 4.3511



10.5113, 18.7222, 72.6983



31.6126, 18.7222, 56.2225

Rectangle

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



27.8443, 18.7222, 2.1462



14.8618, 18.7222, 0.8910



10.5113, 18.7222, 72.6983



21.0906, 18.7222, 91.1588

Sweetspot

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



27.8447, 18.7233, 2.1465



72.0965, 70.0350, 52.1014



28.6548, 14.3386, 20.9289



14.8754, 14.2347, 9.8666



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.



27.8447, 18.7233, 2.1465



45.9186, 30.6172, 3.4895



41.2634, 45.5606, 6.6194



11.5717, 11.9324, 11.7727



17.6110, 11.9550, 1.3793



0.9821, 0.7638, 0.0957

Inverse Universe

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



17.9816, 18.5246, 59.7543



29.5633, 30.2467, 98.8878



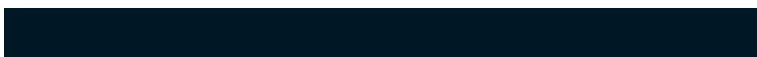
11.2217, 5.0048, 57.5010



11.1549, 11.9503, 14.2891



11.4108, 11.8456, 37.6413



0.6615, 0.7568, 1.9662

Previews

White Background



This preview shows how the XYZ color 27.8443, 18.7222, 2.1462 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 27.8443, 18.7222, 2.1462 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 27.8443, 18.7222, 2.1462

Background



This preview shows how black text looks on a background with the XYZ color 27.8443, 18.7222, 2.1462.



This preview shows how white text looks on a background with the XYZ color 27.8443, 18.7222,

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

27.8443, 18.7222, 2.1462

Protanopia

17.1170, 18.9595, 3.4192

Tritanopia

29.4176, 18.7332, 9.6548

Trichromacy



Original Color

27.8443, 18.7222, 2.1462

Protanomaly

19.9246, 17.9142, 2.7884

Tritanomaly

28.4283, 18.5259, 5.2095

Monochromacy



Original Color

27.8443, 18.7222, 2.1462

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.0376, 15.2826, 7.6821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8443, 18.7222, 2.1462 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, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 81, 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, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8443, 18.7222, 2.1462 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, 81, 0) }
```

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

```
.border{ border-color:rgb(204, 81, 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, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 27.8443, 18.7222, 2.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 81, 0) }
```

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

```
.background{ background-color: rgb(204, 81,  
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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