

Converting Colors

XYZ(27.5457, 20.1270, 2.4331)

Have a look what the booklet for
XYZ(27.5457, 20.1270, 2.4331)
contains.

XYZ(27.5559, 20.1475, 2.4365)	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(27.5559, 20.1475,
2.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	C75E00
RGB	199, 94, 0
RGB Percent	78%, 37%, 0%
CMY	0.2196, 0.6313, 1.0000
CMYK	0.00, 0.53, 1.00, 0.22
HSL	28°, 100%, 39%
HSV	28°, 100%, 78%
XYZ	27.5559, 20.1475, 2.4365
YIQ	114.6790, 92.7540, -6.9740

Conversions

Conversions Part 2

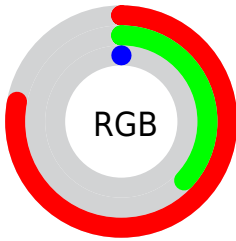
Format	Color
RYB	199, 178, 0
Decimal	13065728
CIELab	52.00, 37.81, 60.89
CIELCh	52, 71.670, 58.164
Yxy	20.1475, 0.5496, 0.4018
Android (android.graphics.Color)	4291255808 (0xFFC75E00)
YUV	114.6790, -56.5367, 73.9495
Hunter-Lab	44.8860, 31.0323, 28.2018

Details

The XYZ color **27.5559, 20.1475, 2.4365** 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 **15.3601, 14.2262, 55.9688**, and the grayscale version is **16.3453, 17.1965, 18.7270**.

A 20% lighter version of the original color is **52.4161, 42.1767, 10.0809**, and **11.3819, 7.2046, 0.7907** is the 20% darker color. If you saturate the color by 10%, you get **27.5561, 20.1481, 2.4366**, and if you desaturate by 10%, it is **28.6799, 22.1950, 3.4299**.

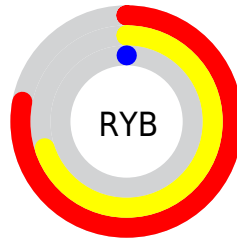
Distribution



Red (78%)

Green (37%)

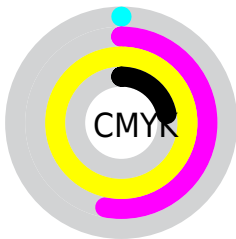
Blue (0%)



Red (78%)

Yellow (70%)

Blue (0%)

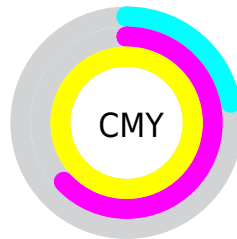


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5559, 20.1475, 2.4365 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 27.5559, 20.1475, 2.4365 by changing the saturation by 10% instead.


 27.5559, 20.1475,
2.4365


 27.5559, 20.1475,
2.4365


282.4574,
252.7125, 128.8239


 18.1299, 12.5023,
0.8062


 55.1882, 43.6643,
10.2031

 11.1435, 7.0867,
0.0000


 74.1253, 60.3048,
17.1849

 6.2315, 3.5164,
0.0000


 96.9634, 80.7124,
26.7905

 3.0283, 1.4069,
0.0000

 124.0680,
105.2717, 39.4384

 1.1688, 0.2218,
0.0000

 155.8043,
134.3669, 55.5472


 0.0815, 0.0000,
0.0000


 192.5377,


 0.0000, 0.0000,


168.3825, 75.5353


0.0000


 234.6337,
207.7029, 99.8214


 27.5559, 20.1475,
2.4365


 27.5559, 20.1475,
2.4365


 27.5561, 20.1481,
2.4366

 28.6799, 22.1950,
3.4299

 30.0641, 24.5567,
5.1455

 31.7586, 27.2606,
7.8221

 33.7913, 30.3251,
11.5854

 36.1862, 33.7662,
16.5416

■ 38.9648, 37.5989,
22.7841

■ 42.1466, 41.8373,
30.3970

■ 45.7498, 46.4943,
39.4571

■ 49.7910, 51.5824,
50.0354

Harmonies

Analogous

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



34.3945, 20.1475, 7.9008



27.5559, 20.1475, 2.4365



19.6032, 20.1475, 1.2917

Triad

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



27.5559, 20.1475, 2.4365



8.2616, 20.1475, 20.6733



26.5742, 20.1475, 79.9489

Complementary

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



27.5559, 20.1475, 2.4365



15.3601, 14.2262, 55.9688

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.



18.7030, 20.1475, 91.7139



27.5559, 20.1475, 2.4365



9.2436, 20.1475, 46.9302

Square

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



27.5559, 20.1475, 2.4365



9.5233, 20.1475, 6.8237



12.6546, 20.1475, 76.9349



33.7337, 20.1475, 50.7354

Rectangle

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



27.5559, 20.1475, 2.4365



15.0960, 20.1475, 1.6159



12.6546, 20.1475, 76.9349



23.8707, 20.1475, 86.6609

Sweetspot

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



27.5563, 20.1486, 2.4368



73.5344, 72.9108, 52.5807



26.1616, 13.1856, 14.8388



15.2132, 14.9104, 9.9792



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.



27.5563, 20.1486, 2.4368



48.0116, 34.8033, 4.1872



42.4832, 50.0023, 7.4125



11.0401, 11.4494, 11.1908



17.8056, 13.1284, 1.5956



0.9155, 0.7664, 0.0997

Inverse Universe

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



15.3601, 14.2262, 55.9688



26.6503, 24.4205, 97.9168



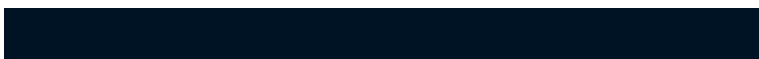
10.3808, 4.2676, 54.3090



10.5121, 11.1982, 13.5249



9.9651, 9.3242, 36.0189



0.5440, 0.5858, 1.7295

Previews

White Background



This preview shows how the XYZ color 27.5559, 20.1475, 2.4365 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 27.5559, 20.1475, 2.4365 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 27.5559, 20.1475, 2.4365

Background



This preview shows how black text looks on a background with the XYZ color 27.5559, 20.1475, 2.4365.



This preview shows how white text looks on a background with the XYZ color 27.5559, 20.1475,

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

27.5559, 20.1475, 2.4365

Protanopia

18.4273, 20.3736, 3.5335

Deuteranopia

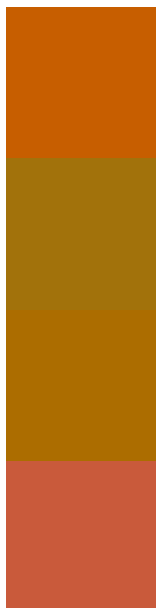
20.3831, 20.1250, 2.8102



Tritanopia

29.7411, 20.1633, 12.6803

Trichromacy



Original Color

27.5559, 20.1475, 2.4365

Protanomaly

20.9780, 19.7402, 3.0212

Deuteranomaly

22.4819, 19.7079, 2.6191

Tritanomaly

28.5330, 20.0456, 6.5030

Monochromacy



Original Color

27.5559, 20.1475, 2.4365

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.3144, 17.1074, 8.6401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5559, 20.1475, 2.4365 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(199, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 94, 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(199, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.5559, 20.1475, 2.4365 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(199, 94, 0) }
```


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

```
.border{ border-color:rgb(199, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.5559, 20.1475, 2.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 94, 0) }
```

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

```
.background{ background-color: rgb(199, 94,  
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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