

Converting Colors

XYZ(25.7999, 16.5261, 2.5476)

Have a look what the booklet for
XYZ(25.7999, 16.5261, 2.5476)
contains.

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Color

**XYZ(25.8787, 16.5766,
2.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	C74615
RGB	199, 70, 21
RGB Percent	78%, 27%, 8%
CMY	0.2196, 0.7255, 0.9176
CMYK	0.00, 0.65, 0.89, 0.22
HSL	17°, 81%, 43%
HSV	17°, 89%, 78%
XYZ	25.8787, 16.5766, 2.5451
YIQ	102.9850, 92.6130, 12.1090

Conversions

Conversions Part 2

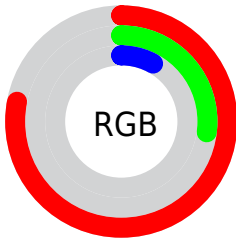
Format	Color
R_{YB}	199, 89, 21
Decimal	13059605
CIE _{Lab}	47.72, 49.41, 52.68
CIE _{LCh}	48, 72.223, 46.838
Yxy	16.5766, 0.5751, 0.3684
Android (android.graphics.Color)	4291249685 (0xFFC74615)
YUV	102.9850, -40.4186, 84.2052
Hunter-Lab	40.7144, 42.2073, 24.7938

Details

The XYZ color **25.8787, 16.5766, 2.5451** 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 **21.5231, 26.0931, 57.9344**, and the grayscale version is **12.9754, 13.6511, 14.8661**.

A 20% lighter version of the original color is **49.5850, 36.1302, 10.3217**, and **10.3599, 5.4052, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **24.9533, 14.9330, 1.5988**, and if you desaturate by 10%, it is **27.1553, 18.7090, 4.2688**.

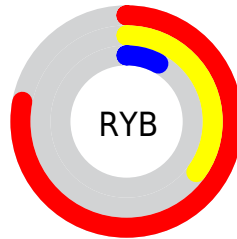
Distribution



Red (78%)

Green (27%)

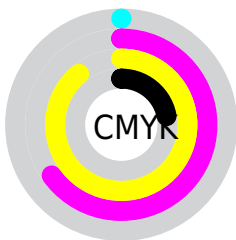
Blue (8%)



Red (78%)

Yellow (35%)

Blue (8%)

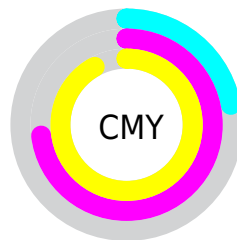


Cyan (0%)

Magenta (65%)

Yellow (89%)

Black (22%)



Cyan (22%)


Magenta (73%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8787, 16.5766, 2.5451 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 25.8787, 16.5766, 2.5451 by changing the saturation by 10% instead.


 25.8787, 16.5766,
2.5451


 25.8787, 16.5766,
2.5451


274.4537,
232.7205, 130.3375


 16.8651, 9.9331,
0.8639


 52.5119, 37.5964,
10.4837


 10.2331, 5.3546,
0.0000


 70.8622, 52.7414,
17.5815

 5.6172, 2.4568,
0.0000

 93.0555, 71.4890,
27.3232

 2.6522, 0.8549,
0.0000

 119.4571, 94.2237,
40.1272

 0.9726, 0.0000,
0.0000

 150.4324,
121.3298, 56.4121

 0.0000, 0.0000,
0.0000

 186.3467,

153.1917, 76.5964

227.5653,
190.1938, 101.0987

25.8787, 16.5766,
2.5451

25.8787, 16.5766,
2.5451

24.9533, 14.9330,
1.5988

27.1553, 18.7090,
4.2688

24.9092, 14.8544,
1.5543

28.8377, 21.3722,
6.9922

30.9625, 24.6026,
10.8429

33.5616, 28.4321,
15.9288

36.6636, 32.8901,
22.3453

■ 40.2946, 38.0041,
30.1781

■ 44.4791, 43.7997,
39.5059

■ 49.2396, 50.3012,
50.4014

■ 54.5975, 57.5317,
62.9326

Harmonies

Analogous

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



30.8967, 16.5766, 9.5771



25.8787, 16.5766, 2.5451



18.7585, 16.5766, 0.8357

Triad

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



25.8787, 16.5766, 2.5451



6.4875, 16.5766, 11.0966



19.6369, 16.5766, 78.0503

Complementary

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



25.8787, 16.5766, 2.5451



21.5231, 26.0931, 57.9344

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.



13.0915, 16.5766, 79.6293



25.8787, 16.5766, 2.5451



6.6024, 16.5766, 30.4478

Square

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



25.8787, 16.5766, 2.5451



8.3174, 16.5766, 3.0080



8.6911, 16.5766, 58.4528



26.6714, 16.5766, 54.9895

Rectangle

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



25.8787, 16.5766, 2.5451



14.3216, 16.5766, 0.7390



8.6911, 16.5766, 58.4528



17.2822, 16.5766, 81.4777

Sweetspot

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



25.8791, 16.5776, 2.5454



71.9756, 68.5250, 55.9711



29.4505, 14.9301, 30.8353



14.8966, 13.9566, 10.8615



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.



25.8791, 16.5776, 2.5454



43.4432, 25.6664, 2.6644



35.8244, 36.4682, 5.8605



10.8676, 11.1043, 11.1333



16.0811, 9.6793, 1.0207



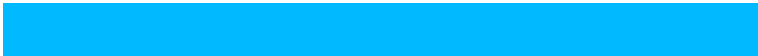
0.8238, 0.5831, 0.0691

Inverse Universe

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



21.5231, 26.0931, 57.9344



35.3555, 41.8311, 100.8185



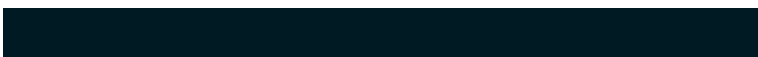
12.3698, 7.7866, 54.8834



10.6903, 11.5546, 13.5843



13.1387, 15.6714, 37.0768



0.6804, 0.8586, 1.7750

Previews

White Background



This preview shows how the XYZ color 25.8787, 16.5766, 2.5451 looks on a white background.

Color Contrast Check

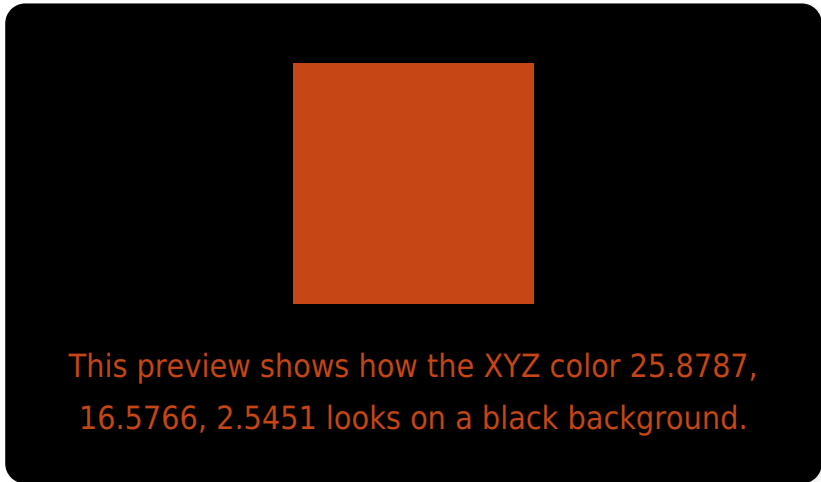
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8787, 16.5766, 2.5451

Background



This preview shows how black text looks on a background with the XYZ color 25.8787, 16.5766, 2.5451.



This preview shows how white text looks on a background with the XYZ color 25.8787, 16.5766,

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

25.8787, 16.5766, 2.5451

Protanopia

15.1801, 16.7281, 3.7953

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

26.8418, 16.6055, 7.4207

Trichromacy



Original Color

25.8787, 16.5766, 2.5451

Protanomaly

17.9037, 15.6892, 3.1833

Deuteranomaly

19.3564, 15.9155, 2.2815

Tritanomaly

26.4464, 16.5416, 5.0478

Monochromacy



Original Color

25.8787, 16.5766, 2.5451

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

15.4249, 13.3665, 8.0703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8787, 16.5766, 2.5451 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, 70, 21)` looks like.

```
.text, #text, p{  
  color:rgb(199, 70, 21)  
}
```

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, 70, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 70, 21) }
```

Border

The CSS property to change the border of an element to XYZ 25.8787, 16.5766, 2.5451 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, 70, 21) }
```


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

```
.border{ border-color:rgb(199, 70, 21) }
```

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

Here you see how a box with a 4 pixel rgb(199, 70, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 70, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 70, 21);  
box-shadow:4px 4px 4px 4px rgb(199, 70,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8787, 16.5766, 2.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 70, 21) }
```

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

```
.background{ background-color: rgb(199, 70,  
21) }
```

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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