

Converting Colors

XYZ(25.7600, 16.7793, 5.2467)

Have a look what the booklet for
XYZ(25.7600, 16.7793, 5.2467)
contains.

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Color

**XYZ(25.7901, 16.7579,
5.2435)**

Conversions

Conversions Part 1

Format	Color
Hex	C44935
RGB	196, 73, 53
RGB Percent	77%, 29%, 21%
CMY	0.2314, 0.7137, 0.7922
CMYK	0.00, 0.63, 0.73, 0.23
HSL	8°, 57%, 49%
HSV	8°, 73%, 77%
XYZ	25.7901, 16.7579, 5.2435
YIQ	107.4970, 79.7280, 19.8560

Conversions

Conversions Part 2

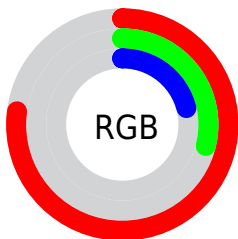
Format	Color
R _Y B	196, 76, 53
Decimal	12863797
CIE Lab	47.95, 48.04, 37.50
CIE LCh	48, 60.942, 37.978
Yxy	16.7579, 0.5396, 0.3506
Android (android.graphics.Color)	4291053877 (0xFFC44935)
YUV	107.4970, -26.8670, 77.6171
Hunter-Lab	40.9364, 40.8170, 21.0611

Details

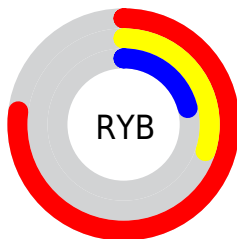
The XYZ color **25.7901, 16.7579, 5.2435** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **26.9559, 35.7902, 57.7116**, and the grayscale version is **14.1710, 14.9090, 16.2359**.

A 20% lighter version of the original color is **51.1783, 37.3783, 16.8293**, and **10.1670, 5.4314, 0.7422** is the 20% darker color. If you saturate the color by 10%, you get **24.4664, 14.6907, 3.0145**, and if you desaturate by 10%, it is **27.5990, 19.5011, 8.5437**.

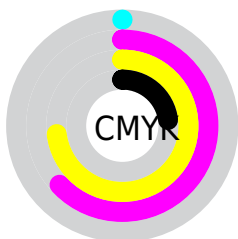
Distribution



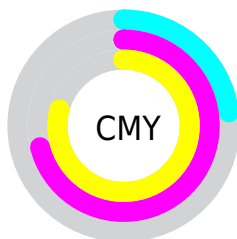
- Red (77%)
- Green (29%)
- Blue (21%)



- Red (77%)
- Yellow (30%)
- Blue (21%)



- Cyan (0%)
- Magenta (63%)
- Yellow (73%)
- Black (23%)





- Cyan (23%)
- Magenta (71%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7901, 16.7579, 5.2435 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 25.7901, 16.7579, 5.2435 by changing the saturation by 10% instead.


 25.7901, 16.7579,
5.2435


 25.7901, 16.7579,
5.2435


274.0258,
233.7733, 161.1802


 16.7985, 10.0620,
2.3296


 52.3699, 37.9091,
16.7890


 10.1854, 5.4401,
0.7477


 70.6887, 53.1331,
26.2576


 5.5852, 2.5077,
0.0000

 92.8475, 71.9687,
38.7482

 2.6328, 0.8805,
0.0000

 119.2114, 94.8002,
54.6794

 0.9627, 0.0000,
0.0000

 150.1458,
122.0121, 74.4696

 0.0000, 0.0000,
0.0000

 186.0161,

153.9886, 98.5375

227.1876,
191.1142, 127.3015

■ 25.7901, 16.7579,
5.2435

■ 25.7901, 16.7579,
5.2435

■ 24.4664, 14.6907,
3.0145

■ 27.5990, 19.5011,
8.5437

■ 23.5779, 13.2372,
1.7208

■ 29.9343, 22.9697,
13.0272

■ 23.1665, 12.5390,
1.1993

■ 32.8336, 27.2116,
18.7930

■ 36.3311, 32.2699,
25.9293

■ 40.4580, 38.1845,
34.5165

■ 45.2433, 44.9925,
44.6287

■ 50.7144, 52.7290,
56.3351

■ 56.8969, 61.4271,
69.7005

■ 63.8152, 71.1184,
84.7861

Harmonies

Analogous

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



28.8469, 16.7579, 14.3616



25.7901, 16.7579, 5.2435



20.2264, 16.7579, 2.1158

Triad

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



25.7901, 16.7579, 5.2435



8.0048, 16.7579, 9.0909



17.4394, 16.7579, 67.5980

Complementary

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



25.7901, 16.7579, 5.2435



26.9559, 35.7902, 57.7116

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.



12.2861, 16.7579, 63.1168



25.7901, 16.7579, 5.2435



7.5896, 16.7579, 22.7756

Square

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



25.7901, 16.7579, 5.2435



10.2717, 16.7579, 3.2795



8.9678, 16.7579, 43.9125



23.3527, 16.7579, 53.9921

Rectangle

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



25.7901, 16.7579, 5.2435



16.3036, 16.7579, 1.6369



8.9678, 16.7579, 43.9125



15.5580, 16.7579, 68.2560

Sweetspot

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



25.7905, 16.7589, 5.2438



73.7892, 69.8829, 63.5716



31.9671, 17.4536, 43.2440



15.3239, 14.2864, 12.6221



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.



25.7905, 16.7589, 5.2438



43.2045, 24.8016, 3.7789



33.3152, 31.8082, 7.7520



10.1844, 10.3001, 10.5132



14.9236, 8.1330, 0.7833



0.6824, 0.4265, 0.0464

Inverse Universe

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



26.9559, 35.7902, 57.7116



45.1525, 60.6040, 103.9257



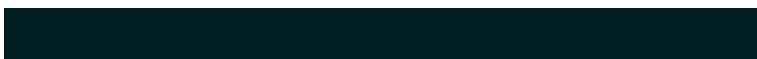
16.5279, 14.9342, 54.2356



10.2445, 11.1804, 12.9029



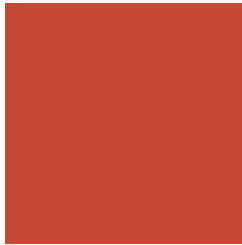
15.5156, 20.7877, 36.7513



0.7041, 0.9656, 1.5992

Previews

White Background



This preview shows how the XYZ color 25.7901, 16.7579, 5.2435 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 25.7901, 16.7579, 5.2435 looks on a 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 25.7901, 16.7579, 5.2435

Background



This preview shows how black text looks on a background with the XYZ color 25.7901, 16.7579, 5.2435.



This preview shows how white text looks on a background with the XYZ color 25.7901, 16.7579,

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

25.7901, 16.7579, 5.2435

Protanopia

15.6013, 17.0267, 7.7744

Deuteranopia

17.0976, 16.8775, 4.8392



Tritanopia

26.4521, 16.7450, 8.3165

Trichromacy



Original Color

25.7901, 16.7579, 5.2435

Protanomaly

18.1892, 16.0415, 6.6951

Deuteranomaly

19.6167, 16.2605, 4.9010

Tritanomaly

26.2626, 16.7701, 7.0070

Monochromacy



Original Color

25.7901, 16.7579, 5.2435

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.6689, 14.4644, 11.1459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7901, 16.7579, 5.2435 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(196, 73, 53)` looks like.

```
.text, #text, p{  
    color:rgb(196, 73, 53)  
}
```

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(196, 73, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 73, 53) }
```

Border

The CSS property to change the border of an element to XYZ 25.7901, 16.7579, 5.2435 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(196, 73, 53) }
```


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

```
.border{ border-color:rgb(196, 73, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 73, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 73, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 73, 53);  
box-shadow:4px 4px 4px 4px rgb(196, 73,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7901, 16.7579, 5.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 73, 53) }
```

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

```
.background{ background-color: rgb(196, 73,  
53) }
```

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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