

Converting Colors

XYZ(27.3816, 15.6666, 3.1540)

Have a look what the booklet for
XYZ(27.3816, 15.6666, 3.1540)
contains.

XYZ(27.3727, 15.6452, 3.1672)	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(27.3727, 15.6452,
3.1672)**

Conversions

Conversions Part 1

Format	Color
Hex	D03023
RGB	208, 48, 35
RGB Percent	82%, 19%, 14%
CMY	0.1843, 0.8117, 0.8627
CMYK	0.00, 0.77, 0.83, 0.18
HSL	5°, 71%, 48%
HSV	5°, 83%, 82%
XYZ	27.3727, 15.6452, 3.1672
YIQ	94.3580, 99.5330, 29.8770

Conversions

Conversions Part 2

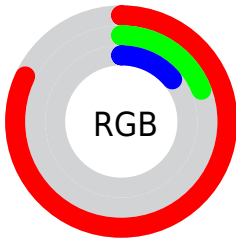
Format	Color
R_{YB}	208, 49, 35
Decimal	13643811
CIE _{Lab}	46.51, 60.77, 46.26
CIE _{LCh}	47, 76.373, 37.280
Yxy	15.6452, 0.5927, 0.3387
Android (android.graphics.Color)	4291833891 (0xFFD03023)
YUV	94.3580, -29.2635, 99.6640
Hunter-Lab	39.5540, 54.3084, 22.9403

Details

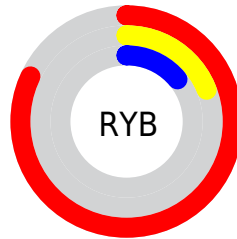
The XYZ color **27.3727, 15.6452, 3.1672** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **31.5900, 43.9349, 66.4892**, and the grayscale version is **10.7763, 11.3375, 12.3466**.

A 20% lighter version of the original color is **48.0207, 32.3846, 11.7025**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **26.5267, 14.3099, 1.7866**, and if you desaturate by 10%, it is **28.7431, 17.7373, 5.6245**.

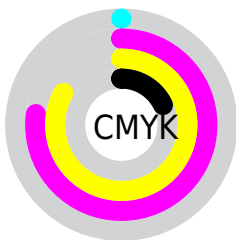
Distribution



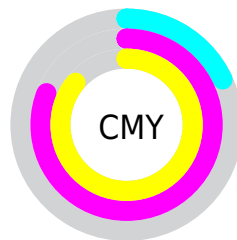
- Red (82%)
- Green (19%)
- Blue (14%)



- Red (82%)
- Yellow (19%)
- Blue (14%)



- Cyan (0%)
- Magenta (77%)
- Yellow (83%)
- Black (18%)





- Cyan (18%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3727, 15.6452, 3.1672 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 27.3727, 15.6452, 3.1672 by changing the saturation by 10% instead.


 27.3727, 15.6452,
3.1672


 27.3727, 15.6452,
3.1672


281.5919,
227.2389, 138.4625


 17.9914, 9.2734,
1.1806


 54.8970, 35.9811,
12.0383


 11.0434, 4.9200,
0.0000


 73.7707, 50.7141,
19.7599


 6.1636, 2.2004,
0.0000


 96.5393, 69.0030,
30.2303

 2.9864, 0.7202,
0.0000

 123.5680, 91.2321,
43.8680

 1.1466, 0.0000,
0.0000

 155.2223,
117.7858, 61.0915


 0.0635, 0.0000,
0.0000


 191.8675,


 0.0000, 0.0000,


149.0486, 82.3194


0.0000


 233.8689,
185.4048, 107.9702


 27.3727, 15.6452,
3.1672


 27.3727, 15.6452,
3.1672


 26.5267, 14.3099,
1.7866


 28.7431, 17.7373,
5.6245

 26.1922, 13.7699,
1.2774

 30.7042, 20.6732,
9.3194

 33.3137, 24.5307,
14.3864

 36.6220, 29.3784,
20.9423

 40.6744, 35.2780,
29.0916

■ 45.5127, 42.2866,
38.9293

■ 51.1752, 50.4567,
50.5429

■ 57.6980, 59.8379,
64.0139

■ 65.1148, 70.4766,
79.4189

Harmonies

Analogous

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



31.2721, 15.6452, 12.8455



27.3727, 15.6452, 3.1672



20.3088, 15.6452, 0.6806

Triad

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



27.3727, 15.6452, 3.1672



5.9899, 15.6452, 6.5262



16.5310, 15.6452, 84.1316

Complementary

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



27.3727, 15.6452, 3.1672



31.5900, 43.9349, 66.4892

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.



10.5013, 15.6452, 77.0372



27.3727, 15.6452, 3.1672



5.5229, 15.6452, 22.0486

Square

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



27.3727, 15.6452, 3.1672



8.4505, 15.6452, 1.4130



6.9070, 15.6452, 49.7356



23.9205, 15.6452, 65.1564

Rectangle

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



27.3727, 15.6452, 3.1672



15.4786, 15.6452, 0.2723



6.9070, 15.6452, 49.7356



14.2782, 15.6452, 84.8620

Sweetspot

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



27.3730, 15.6462, 3.1674



70.4217, 64.5330, 58.1791



36.6301, 18.6186, 54.1660



14.4789, 12.9524, 11.2433



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.



27.3730, 15.6462, 3.1674



41.4760, 21.7319, 2.0087



34.7075, 30.3152, 5.6123



11.8792, 11.9490, 12.2923



16.3520, 8.6370, 0.8053



0.9398, 0.5339, 0.0535

Inverse Universe

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



31.5900, 43.9349, 66.4892



47.9930, 67.1060, 105.0310



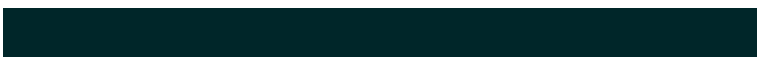
17.6505, 16.0560, 61.8427



12.0791, 13.2485, 15.1642



18.9240, 26.4945, 41.3091



1.0813, 1.5278, 2.3175

Previews

White Background



This preview shows how the XYZ color 27.3727, 15.6452, 3.1672 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 27.3727, 15.6452, 3.1672 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 27.3727, 15.6452, 3.1672

Background



This preview shows how black text looks on a background with the XYZ color 27.3727, 15.6452, 3.1672.



This preview shows how white text looks on a background with the XYZ color 27.3727, 15.6452,

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

27.3727, 15.6452, 3.1672

Protanopia

14.4504, 15.8188, 5.4237

Deuteranopia

15.9603, 15.7160, 2.6825



Tritanopia

27.5025, 15.5691, 4.2449

Trichromacy



Original Color

27.3727, 15.6452, 3.1672

Protanomaly

17.2898, 14.0389, 4.2811

Deuteranomaly

18.8420, 14.4018, 2.5974

Tritanomaly

27.4650, 15.6173, 3.8524

Monochromacy



Original Color

27.3727, 15.6452, 3.1672

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.8481, 10.9397, 7.6850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3727, 15.6452, 3.1672 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(208, 48, 35)` looks like.

```
.text, #text, p{  
    color:rgb(208, 48, 35)  
}
```

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(208, 48, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 48, 35) }
```

Border

The CSS property to change the border of an element to XYZ 27.3727, 15.6452, 3.1672 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(208, 48, 35) }
```


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

```
.border{ border-color:rgb(208, 48, 35) }
```

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

Here you see how a box with a 4 pixel rgb(208, 48, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 48, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 48, 35);  
box-shadow:4px 4px 4px 4px rgb(208, 48,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3727, 15.6452, 3.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 48, 35) }
```

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

```
.background{ background-color: rgb(208, 48,  
35) }
```

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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