

Converting Colors

XYZ(27.3947, 16.3500, 6.5374)

Have a look what the booklet for
XYZ(27.3947, 16.3500, 6.5374)
contains.

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Color

**XYZ(27.3912, 16.3355,
6.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3B40
RGB	204, 59, 64
RGB Percent	80%, 23%, 25%
CMY	0.2000, 0.7686, 0.7490
CMYK	0.00, 0.71, 0.69, 0.20
HSL	358°, 59%, 52%
HSV	358°, 71%, 80%
XYZ	27.3912, 16.3355, 6.5599
YIQ	102.9250, 84.8150, 32.2950

Conversions

Conversions Part 2

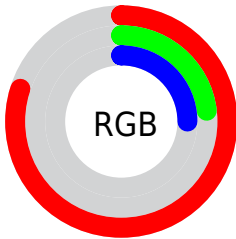
Format	Color
RYB	204, 59, 64
Decimal	13384512
CIELab	47.41, 56.94, 30.93
CIELCh	47, 64.794, 28.508
Yxy	16.3355, 0.5447, 0.3248
Android (android.graphics.Color)	4291574592 (0xFFCC3B40)
YUV	102.9250, -19.1900, 88.6428
Hunter-Lab	40.4172, 50.2414, 18.6690

Details

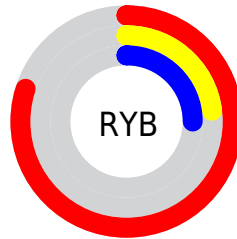
The XYZ color **27.3912, 16.3355, 6.5599** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **33.7068, 48.2394, 61.5730**, and the grayscale version is **12.9068, 13.5790, 14.7875**.

A 20% lighter version of the original color is **50.4100, 34.9206, 19.4127**, and **11.2907, 5.8049, 1.2348** is the 20% darker color. If you saturate the color by 10%, you get **26.0748, 14.4470, 3.8271**, and if you desaturate by 10%, it is **29.3158, 19.1240, 10.4719**.

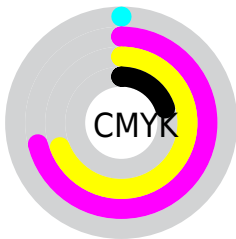
Distribution



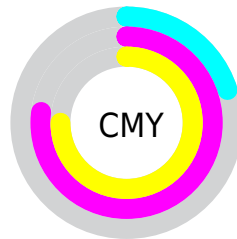
- Red (80%)
- Green (23%)
- Blue (25%)



- Red (80%)
- Yellow (23%)
- Blue (25%)



- Cyan (0%)
- Magenta (71%)
- Yellow (69%)
- Black (20%)





- Cyan (20%)
- Magenta (77%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3912, 16.3355, 6.5599 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 27.3912, 16.3355, 6.5599 by changing the saturation by 10% instead.


 27.3912, 16.3355,
6.5599


 27.3912, 16.3355,
6.5599


281.6794,
231.3134, 173.4448


 18.0053, 9.7619,
3.1142


 54.9265, 37.1797,
19.5798


 11.0535, 5.2414,
1.1532


 73.8066, 52.2190,
29.9910


 6.1704, 2.3896,
0.0000


 96.5821, 70.8490,
43.5612

 2.9906, 0.8205,
0.0000

 123.6185, 93.4542,
60.7088

 1.1488, 0.0000,
0.0000

 155.2811,
120.4188, 81.8525

 0.0654, 0.0000,
0.0000

 191.9352,

 0.0000, 0.0000,

152.1272, 107.4106

0.0000

233.9462,
188.9640, 137.8019

■ 27.3912, 16.3355,
6.5599

■ 27.3912, 16.3355,
6.5599

■ 26.0748, 14.4470,
3.8271

■ 29.3158, 19.1240,
10.4719

■ 25.2926, 13.3452,
2.1403


■ 31.9088, 22.9025,
15.6754

■ 24.9401, 12.8526,
1.3679

■ 35.2245, 27.7533,
22.2702


■ 39.3113, 33.7492,
30.3464

■ 44.2135, 40.9567,
39.9863

 49.9719, 49.4372,
51.2662

 56.6247, 59.2481,
64.2576

 64.2077, 70.4431,
79.0275

 72.7548, 83.0729,
95.6395

Harmonies

Analogous

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



29.3871, 16.3355, 18.6225



27.3912, 16.3355, 6.5599



22.0382, 16.3355, 2.1526

Triad

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



27.3912, 16.3355, 6.5599



7.8858, 16.3355, 5.8537



15.2408, 16.3355, 71.8269

Complementary

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



27.3912, 16.3355, 6.5599



33.7068, 48.2394, 61.5730

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.



10.4431, 16.3355, 60.6756



27.3912, 16.3355, 6.5599



6.8973, 16.3355, 16.9761

Square

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



27.3912, 16.3355, 6.5599



10.8300, 16.3355, 1.9574



7.7042, 16.3355, 37.5521



21.4154, 16.3355, 62.5601

Rectangle

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



27.3912, 16.3355, 6.5599



17.8318, 16.3355, 1.3106



7.7042, 16.3355, 37.5521



13.4288, 16.3355, 70.2581

Sweetspot

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



27.3916, 16.3365, 6.5602



73.0462, 67.5692, 65.8754



35.4240, 19.3252, 58.9893



15.1205, 13.7059, 13.0900



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.



27.3916, 16.3365, 6.5602



42.4286, 22.8572, 4.7305



32.9310, 27.6326, 7.7371



11.2277, 11.2198, 11.7337



15.7048, 8.0925, 0.8981



0.8158, 0.4197, 0.0758

Inverse Universe

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



27.3916, 16.3365, 6.5602



42.4286, 22.8572, 4.7305



21.9003, 23.6839, 60.5434



11.2277, 11.2198, 11.7337



15.7048, 8.0925, 0.8981



0.8158, 0.4197, 0.0758

Previews

White Background



This preview shows how the XYZ color 27.3912, 16.3355, 6.5599 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 27.3912, 16.3355, 6.5599 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 27.3912, 16.3355, 6.5599

Background



This preview shows how black text looks on a background with the XYZ color 27.3912, 16.3355, 6.5599.



This preview shows how white text looks on a background with the XYZ color 27.3912, 16.3355,

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

27.3912, 16.3355, 6.5599

Protanopia

15.3905, 16.5153, 10.7641

Deuteranopia

16.7238, 16.4996, 6.0447



Tritanopia

27.3353, 16.3131, 6.2654

Trichromacy



Original Color

27.3912, 16.3355, 6.5599

Protanomaly

18.0164, 14.9438, 8.9561

Deuteranomaly

19.5498, 15.4146, 6.0826

Tritanomaly

27.3630, 16.3242, 6.4113

Monochromacy



Original Color

27.3912, 16.3355, 6.5599

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

16.0266, 13.1131, 11.1376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3912, 16.3355, 6.5599 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, 59, 64)` looks like.

```
.text, #text, p{  
    color:rgb(204, 59, 64)  
}
```

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, 59, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 59, 64) }
```

Border

The CSS property to change the border of an element to XYZ 27.3912, 16.3355, 6.5599 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, 59, 64) }
```


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

```
.border{ border-color:rgb(204, 59, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 59, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 59, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 59, 64);  
box-shadow:4px 4px 4px 4px rgb(204, 59,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3912, 16.3355, 6.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 59, 64) }
```

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

```
.background{ background-color: rgb(204, 59,  
64) }
```

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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