

Converting Colors

XYZ(32.7505, 18.6324, 7.4978)

Have a look what the booklet for
XYZ(32.7505, 18.6324, 7.4978)
contains.

XYZ(32.7787, 18.6639, 7.5051)	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(32.7787, 18.6639,
7.5051)**

Conversions

Conversions Part 1

Format	Color
Hex	DF3545
RGB	223, 53, 69
RGB Percent	87%, 21%, 27%
CMY	0.1255, 0.7921, 0.7294
CMYK	0.00, 0.76, 0.69, 0.13
HSL	354°, 73%, 54%
HSV	354°, 76%, 87%
XYZ	32.7787, 18.6639, 7.5051
YIQ	105.6540, 96.1840, 41.0160

Conversions

Conversions Part 2

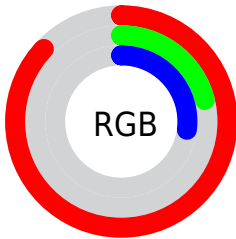
Format	Color
R_{YB}	223, 53, 69
Decimal	14628165
CIE Lab	50.29, 64.89, 32.29
CIE LCh	50, 72.485, 26.456
Yxy	18.6639, 0.5561, 0.3166
Android (android.graphics.Color)	4292818245 (0xFFDF3545)
YUV	105.6540, -18.0704, 102.9124
Hunter-Lab	43.2017, 59.8313, 19.9412

Details

The XYZ color **32.7787, 18.6639, 7.5051** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **39.1204, 58.0378, 68.1802**, and the grayscale version is **13.6360, 14.3461, 15.6229**.

A 20% lighter version of the original color is **50.4682, 34.5790, 20.8441**, and **14.6837, 7.5482, 1.6603** is the 20% darker color. If you saturate the color by 10%, you get **31.4639, 16.8730, 4.4819**, and if you desaturate by 10%, it is **34.7803, 21.4874, 11.8104**.

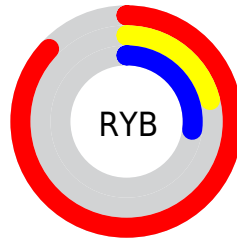
Distribution



Red (87%)

Green (21%)

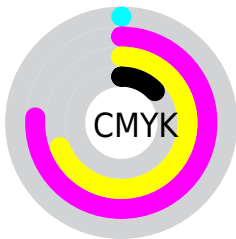
Blue (27%)



Red (87%)

Yellow (21%)

Blue (27%)

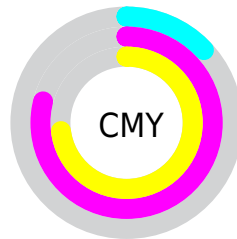


Cyan (0%)

Magenta (76%)

Yellow (69%)

Black (13%)



Cyan (13%)


Magenta (79%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7787, 18.6639, 7.5051 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 32.7787, 18.6639, 7.5051 by changing the saturation by 10% instead.


 32.7787, 18.6639,
7.5051


 32.7787, 18.6639,
7.5051

306.3340,
244.5870, 181.5842


 22.1154, 11.4277,
3.6967


 63.3869, 41.1654,
21.5123

 14.0588, 6.3553,
1.4605


 84.0624, 57.1994,
32.5482


 8.2435, 3.0623,
0.1882


 108.8061, 76.9349,
46.8304

 4.3043, 1.1643,
0.0000

 137.9833,
100.7561, 64.7774

 1.8757, 0.0323,
0.0000

 171.9593,
129.0476, 86.8077

 0.5626, 0.0000,
0.0000

211.0996,

 0.0000, 0.0000,

162.1936, 113.3399

0.0000

255.7693,
200.5786, 144.7926

■ 32.7787, 18.6639,
7.5051

■ 32.7787, 18.6639,
7.5051

■ 31.4639, 16.8730,
4.4819

■ 34.7803, 21.4874,
11.8104

■ 30.7393, 15.9572,
2.5962


■ 37.5451, 25.4640,
17.5191


■ 30.5663, 15.7419,
2.1356


■ 41.1403, 30.7013,
24.7392


■ 45.6259, 37.2935,
33.5682

■ 51.0558, 45.3258,
44.0950

 57.4800, 54.8766,
56.4022

 64.9447, 66.0186,
70.5670

 73.4934, 78.8196,
86.6620

 83.1671, 93.3437,
104.7558

Harmonies

Analogous

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



34.9135, 18.6639, 22.8067



32.7787, 18.6639, 7.5051



26.2940, 18.6639, 2.1291

Triad

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



32.7787, 18.6639, 7.5051



8.6989, 18.6639, 5.5696



16.9180, 18.6639, 88.4919

Complementary

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



32.7787, 18.6639, 7.5051



39.1204, 58.0378, 68.1802

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.



11.2764, 18.6639, 72.5809



32.7787, 18.6639, 7.5051



7.3887, 18.6639, 18.0243

Square

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



32.7787, 18.6639, 7.5051



12.3791, 18.6639, 1.6409



8.1902, 18.6639, 42.8721



24.4593, 18.6639, 78.3095

Rectangle

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



32.7787, 18.6639, 7.5051



21.0927, 18.6639, 1.1457



8.1902, 18.6639, 42.8721



14.7620, 18.6639, 85.8487

Sweetspot

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



32.7791, 18.6650, 7.5054



71.7038, 65.1559, 64.5910



40.0467, 20.9971, 71.7536



14.7096, 12.9993, 12.5979



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.



32.7791, 18.6650, 7.5054



42.0147, 22.0585, 4.5031



37.9125, 29.6217, 7.0892



13.7593, 13.7214, 14.5028



17.9909, 9.2633, 1.3517



1.2652, 0.6494, 0.1895

Inverse Universe

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



32.7791, 18.6650, 7.5054



42.0147, 22.0585, 4.5031



26.5103, 29.5293, 74.1140



13.7593, 13.7214, 14.5028



17.9909, 9.2633, 1.3517



1.2652, 0.6494, 0.1895

Previews

White Background



This preview shows how the XYZ color 32.7787, 18.6639, 7.5051 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 32.7787, 18.6639, 7.5051 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 32.7787, 18.6639, 7.5051

Background



This preview shows how black text looks on a background with the XYZ color 32.7787, 18.6639, 7.5051.



This preview shows how white text looks on a background with the XYZ color 32.7787, 18.6639,

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

32.7787, 18.6639, 7.5051

Protanopia

17.6389, 18.8303, 13.2946

Deuteranopia

19.1329, 18.8731, 6.7721



Tritanopia

32.5361, 18.7158, 5.7686

Trichromacy



Original Color

32.7787, 18.6639, 7.5051

Protanomaly

20.9268, 16.8081, 10.7357

Deuteranomaly

22.4035, 17.1271, 6.8277

Tritanomaly

32.5929, 18.6632, 6.2994

Monochromacy



Original Color

32.7787, 18.6639, 7.5051

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.7784, 13.9963, 12.1205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7787, 18.6639, 7.5051 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(223, 53, 69)` looks like.

```
.text, #text, p{  
    color:rgb(223, 53, 69)  
}
```

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(223, 53, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 53, 69) }
```

Border

The CSS property to change the border of an element to XYZ 32.7787, 18.6639, 7.5051 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(223, 53, 69) }
```


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

```
.border{ border-color:rgb(223, 53, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 53, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 53, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 53, 69);  
box-shadow:4px 4px 4px 4px rgb(223, 53,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7787, 18.6639, 7.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 53, 69) }
```

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

```
.background{ background-color: rgb(223, 53,  
69) }
```

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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