

Converting Colors

XYZ(32.7713, 18.8404, 6.8995)

Have a look what the booklet for
XYZ(32.7713, 18.8404, 6.8995)
contains.

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Color

**XYZ(32.7517, 18.8020,
6.9040)**

Conversions

Conversions Part 1

Format	Color
Hex	DF3741
RGB	223, 55, 65
RGB Percent	87%, 22%, 25%
CMY	0.1255, 0.7843, 0.7451
CMYK	0.00, 0.75, 0.71, 0.13
HSL	356°, 72%, 55%
HSV	356°, 75%, 87%
XYZ	32.7517, 18.8020, 6.9040
YIQ	106.3720, 96.9180, 38.7260

Conversions

Conversions Part 2

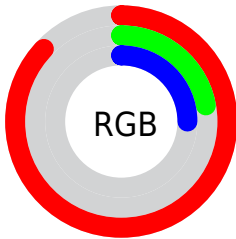
Format	Color
R_{YB}	223, 55, 65
Decimal	14628673
CIE Lab	50.45, 64.10, 34.82
CIE LCh	50, 72.945, 28.517
Yxy	18.8020, 0.5603, 0.3216
Android (android.graphics.Color)	4292818753 (0xFFDF3741)
YUV	106.3720, -20.3964, 102.2828
Hunter-Lab	43.3613, 58.9427, 20.9127

Details

The XYZ color **32.7517, 18.8020, 6.9040** 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 **39.9754, 58.3922, 72.1223**, and the grayscale version is **13.8389, 14.5596, 15.8554**.

A 20% lighter version of the original color is **50.3514, 34.7137, 19.6694**, and **14.6420, 7.5315, 1.4411** is the 20% darker color. If you saturate the color by 10%, you get **31.4222, 16.9417, 3.9995**, and if you desaturate by 10%, it is **34.7857, 21.7110, 11.1560**.

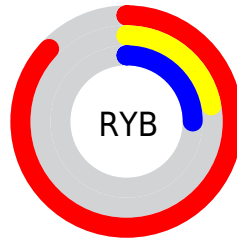
Distribution



Red (87%)

Green (22%)

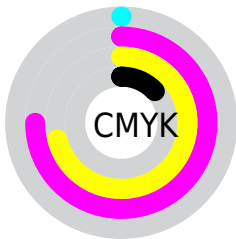
Blue (25%)



Red (87%)

Yellow (22%)

Blue (25%)

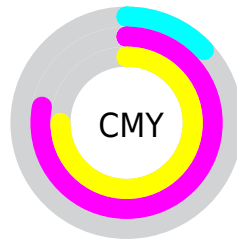


Cyan (0%)

Magenta (75%)

Yellow (71%)

Black (13%)



Cyan (13%)


Magenta (78%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7517, 18.8020, 6.9040 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 32.7517, 18.8020, 6.9040 by changing the saturation by 10% instead.


 32.7517, 18.8020,
6.9040


 32.7517, 18.8020,
6.9040

306.2142,
245.3535, 176.4642


 22.0946, 11.5273,
3.3246


 63.3450, 41.3993,
20.2894

 14.0434, 6.4227,
1.2627


 84.0118, 57.4906,
30.9325


 8.2328, 3.1038,
0.0309


 108.7460, 77.2896,
44.7672

 4.2973, 1.1861,
0.0000

 137.9129,
101.1807, 62.2121

 1.8717, 0.0503,
0.0000

 171.8778,
129.5482, 83.6857

 0.5603, 0.0000,
0.0000

 211.0061,

 0.0000, 0.0000,

162.7766, 109.6065

0.0000

255.6631,
201.2502, 140.3932

■ 32.7517, 18.8020,
6.9040

■ 32.7517, 18.8020,
6.9040

■ 31.4222, 16.9417,
3.9995

■ 34.7857, 21.7110,
11.1560

■ 30.6994, 15.9760,
2.2790


■ 37.6024, 25.7886,
16.8917


■ 30.5055, 15.7176,
1.8155


■ 41.2712, 31.1420,
24.2313

■ 45.8533, 37.8655,
33.2827

■ 51.4043, 46.0445,
44.1445

 57.9754, 55.7572,
56.9075

 65.6143, 67.0767,
71.6567

 74.3654, 80.0709,
88.4718

 84.0433, 94.3487,
107.3523

Harmonies

Analogous

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



35.2882, 18.8020, 21.5012



32.7517, 18.8020, 6.9040



25.9912, 18.8020, 1.9549

Triad

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



32.7517, 18.8020, 6.9040



8.5732, 18.8020, 6.0889



17.5196, 18.8020, 89.7134

Complementary

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



32.7517, 18.8020, 6.9040



39.9754, 58.3922, 72.1223

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.



11.6468, 18.8020, 75.1966



32.7517, 18.8020, 6.9040



7.4022, 18.8020, 19.4765

Square

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



32.7517, 18.8020, 6.9040



12.1131, 18.8020, 1.7510



8.3585, 18.8020, 45.3878



25.2133, 18.8020, 77.6322

Rectangle

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



32.7517, 18.8020, 6.9040



20.7289, 18.8020, 1.0891



8.3585, 18.8020, 45.3878



15.2881, 18.8020, 87.6682

Sweetspot

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



32.7521, 18.8031, 6.9043



71.4653, 65.0605, 63.3351



41.7798, 22.0286, 71.8613



14.6538, 12.9770, 12.3039



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.



32.7521, 18.8031, 6.9043



41.9670, 22.1243, 3.9906



38.8151, 31.3519, 7.6218



13.7401, 13.7137, 14.4016



17.9505, 9.2472, 1.1393



1.2560, 0.6457, 0.1411

Inverse Universe

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



32.7521, 18.8031, 6.9043



41.9670, 22.1243, 3.9906



25.8346, 28.0185, 73.8579



13.7401, 13.7137, 14.4016



17.9505, 9.2472, 1.1393



1.2560, 0.6457, 0.1411

Previews

White Background



This preview shows how the XYZ color 32.7517, 18.8020, 6.9040 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 32.7517, 18.8020, 6.9040 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 32.7517, 18.8020, 6.9040

Background



This preview shows how black text looks on a background with the XYZ color 32.7517, 18.8020, 6.9040.



This preview shows how white text looks on a background with the XYZ color 32.7517, 18.8020,

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

32.7517, 18.8020, 6.9040

Protanopia

17.8047, 19.1252, 11.9856

Deuteranopia

19.2147, 18.9269, 6.2550



Tritanopia

32.6093, 18.8218, 5.9173

Trichromacy



Original Color

32.7517, 18.8020, 6.9040

Protanomaly

21.0325, 17.0211, 9.7663

Deuteranomaly

22.6083, 17.3746, 6.2997

Tritanomaly

32.6879, 18.8532, 6.3311

Monochromacy



Original Color

32.7517, 18.8020, 6.9040

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.6909, 13.9613, 11.6599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7517, 18.8020, 6.9040 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, 55, 65)` looks like.

```
.text, #text, p{  
    color:rgb(223, 55, 65)  
}
```

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, 55, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 55, 65) }
```

Border

The CSS property to change the border of an element to XYZ 32.7517, 18.8020, 6.9040 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, 55, 65) }
```


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

```
.border{ border-color:rgb(223, 55, 65) }
```

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

Here you see how a box with a 4 pixel rgb(223, 55, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 55, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 55, 65);  
box-shadow:4px 4px 4px 4px rgb(223, 55,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7517, 18.8020, 6.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 55, 65) }
```

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

```
.background{ background-color: rgb(223, 55,  
65) }
```

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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