

Converting Colors

XYZ(17.6750, 9.0522, 83.2538)

Have a look what the booklet for
XYZ(17.6750, 9.0522, 83.2538)
contains.

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Color

**XYZ(17.6750, 9.0522,
83.2538)**

Conversions

Conversions Part 1

Format	Color
Hex	2533F0
RGB	37, 51, 240
RGB Percent	15%, 20%, 94%
CMY	0.8548, 0.8000, 0.0588
CMYK	0.85, 0.79, 0.00, 0.06
HSL	236°, 87%, 54%
HSV	236°, 85%, 94%
XYZ	17.6750, 9.0522, 83.2538
YIQ	68.3600, -69.0130, 55.8110

Conversions

Conversions Part 2

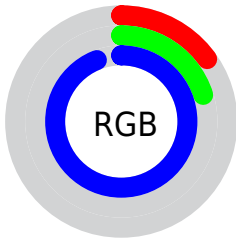
Format	Color
R _Y B	37, 50, 240
Decimal	2438128
CIE Lab	36.08, 60.89, -93.08
CIE LCh	36, 111.231, 303.191
Yxy	9.0522, 0.1607, 0.0823
Android (android.graphics.Color)	4280628208 (0xFF2533F0)
YUV	68.3600, 84.6185, -27.5027
Hunter-Lab	30.0869, 52.2106, -143.0014

Details

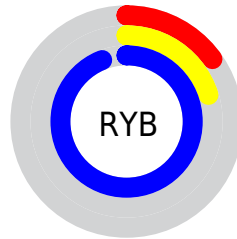
The XYZ color **17.6750, 9.0522, 83.2538** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **63.4744, 73.0686, 12.5105**, and the grayscale version is **5.4295, 5.7122, 6.2206**.

A 20% lighter version of the original color is **30.8721, 20.7383, 96.9835**, and **8.4435, 3.3774, 44.4628** is the 20% darker color. If you saturate the color by 10%, you get **16.3254, 7.2386, 82.9752**, and if you desaturate by 10%, it is **20.0594, 12.0945, 83.7157**.

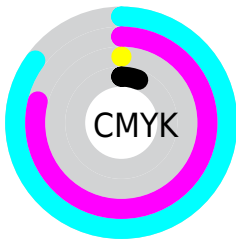
Distribution



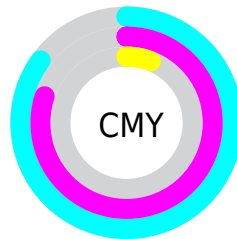
- Red (15%)
- Green (20%)
- Blue (94%)



- Red (15%)
- Yellow (20%)
- Blue (94%)



- Cyan (85%)
- Magenta (79%)
- Yellow (0%)
- Black (6%)



- Cyan (85%)
- Magenta (80%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6750, 9.0522, 83.2538 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 17.6750, 9.0522, 83.2538 by changing the saturation by 10% instead.

■ 17.6750, 9.0522,
83.2538

■ 17.6750, 9.0522,
83.2538

232.1139,
183.7668, 525.8251

■ 10.8152, 4.7752,
61.8577

■ 39.0172, 23.9968,
139.7833

■ 6.0091, 2.1160,
44.4827

■ 54.2303, 35.4333,
175.7538

■ 2.8913, 0.6736,
30.7102

■ 72.9585, 50.0250,
217.4195

■ 1.0965, 0.0000,
20.1217

■ 95.5672, 68.1564,
265.1989

■ 0.0222, 0.0000,
12.2986

■ 122.4217, 90.2119,
319.5107

■ 0.0000, 0.0000,
6.8223

■ 153.8874,

■ 0.0000, 0.0000,

116.5759, 380.7733

3.2745

190.3297,
147.6327, 449.4052

■ 0.0000, 0.0000,
1.2364

■ 0.0000, 0.0000,
0.0088

■ 17.6750, 9.0522,
83.2538

■ 17.6750, 9.0522,
83.2538

■ 16.3254, 7.2386,
82.9752

■ 20.0594, 12.0945,
83.7157

■ 15.9213, 6.6774,
82.8882

■ 23.6316, 16.5333,
84.3842

■ 28.5211, 22.5103,
85.2802

■ 34.8400, 30.1496,
86.4217

■ 42.6882, 39.5627,
87.8249

■ 52.1569, 50.8514,
89.5048

■ 63.3299, 64.1097,
91.4750

■ 76.2854, 79.4253,
93.7484

■ 91.0966, 96.8808,
96.3370

Harmonies

Analogous

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



9.3354, 9.0522, 110.2926



17.6750, 9.0522, 83.2538



25.8088, 9.0522, 37.3219

Triad

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



17.6750, 9.0522, 83.2538



15.7566, 9.0522, 0.0000



1.1101, 9.0522, 12.0385

Complementary

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



17.6750, 9.0522, 83.2538



63.4744, 73.0686, 12.5105

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.



1.4932, 9.0522, 0.8423



17.6750, 9.0522, 83.2538



7.9115, 9.0522, 0.0000

Square

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



17.6750, 9.0522, 83.2538



24.3565, 9.0522, 0.0926



3.3302, 9.0522, 0.0000



1.7258, 9.0522, 46.5734

Rectangle

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



17.6750, 9.0522, 83.2538



28.5735, 9.0522, 14.8678



3.3302, 9.0522, 0.0000



1.1282, 9.0522, 6.1203

Sweetspot

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



17.6757, 9.0523, 83.2541



59.2571, 57.6453, 102.6112



45.2550, 68.0466, 80.6219



11.8243, 11.3156, 21.8109



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.



17.6757, 9.0523, 83.2541



18.2591, 7.6382, 95.1197



24.3599, 11.7243, 83.4176



14.9846, 15.4033, 19.9050



8.7492, 3.7226, 45.3853



0.7582, 0.3703, 3.7857

Inverse Universe

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



37.1951, 20.0890, 5.0485



41.3455, 21.3022, 2.4857



45.0943, 69.4651, 12.7837



15.8169, 15.7765, 16.5921



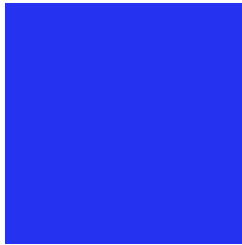
19.7418, 10.1691, 1.2909



1.6576, 0.8521, 0.1880

Previews

White Background



This preview shows how the XYZ color 17.6750, 9.0522, 83.2538 looks on a white background.

Color Contrast Check

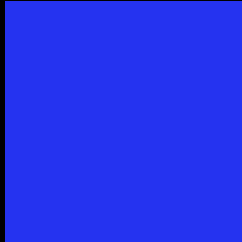
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 17.6750, 9.0522, 83.2538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

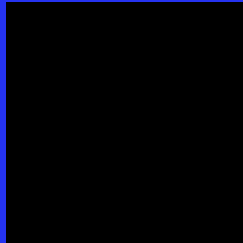
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6750, 9.0522, 83.2538

Background



This preview shows how black text looks on a background with the XYZ color 17.6750, 9.0522, 83.2538.



This preview shows how white text looks on a background with the XYZ color 17.6750, 9.0522,

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

17.6750, 9.0522, 83.2538

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.5190, 8.8607, 28.0494



Tritanopia

6.1190, 8.7105, 12.9141

Trichromacy



Original Color

17.6750, 9.0522, 83.2538

Protanomaly

12.2065, 8.4060, 52.6089

Deuteranomaly

10.8530, 8.2784, 44.2059

Tritanomaly

8.3954, 7.7364, 29.9049

Monochromacy



Original Color

17.6750, 9.0522, 83.2538

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.5067, 5.9538, 22.2263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6750, 9.0522, 83.2538 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(37, 51, 240)` looks like.

```
.text, #text, p{  
    color:rgb(37, 51, 240)  
}
```

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(37, 51, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 51, 240) }
```

Border

The CSS property to change the border of an element to XYZ 17.6750, 9.0522, 83.2538 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(37, 51, 240) }
```


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

```
.border{ border-color:rgb(37, 51, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 51, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 51, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 51, 240);  
box-shadow:4px 4px 4px 4px rgb(37, 51,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6750, 9.0522, 83.2538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 51, 240) }
```

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

```
.background{ background-color: rgb(37, 51,  
240) }
```

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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