

Converting Colors

XYZ(18.9432, 12.7110, 75.7214)

Have a look what the booklet for
XYZ(18.9432, 12.7110, 75.7214)
contains.

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Color

**XYZ(18.9235, 12.7135,
75.5853)**

Conversions

Conversions Part 1

Format	Color
Hex	3953E5
RGB	57, 83, 229
RGB Percent	22%, 33%, 90%
CMY	0.7764, 0.6745, 0.1020
CMYK	0.75, 0.64, 0.00, 0.10
HSL	231°, 77%, 56%
HSV	231°, 75%, 90%
XYZ	18.9235, 12.7135, 75.5853
YIQ	91.8700, -62.3620, 39.8940

Conversions

Conversions Part 2

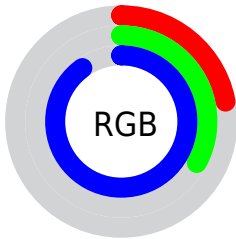
Format	Color
R_{YB}	57, 80, 229
Decimal	3757029
CIE _{Lab}	42.33, 40.55, -76.52
CIE _{LCh}	42, 86.600, 297.917
Yxy	12.7135, 0.1765, 0.1186
Android (android.graphics.Color)	4281947109 (0xFF3953E5)
YUV	91.8700, 67.6051, -30.5810
Hunter-Lab	35.6560, 32.3363, -100.7266

Details

The XYZ color **18.9235, 12.7135, 75.5853** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **54.4118, 59.6730, 12.5230**, and the grayscale version is **10.0038, 10.5248, 11.4615**.

A 20% lighter version of the original color is **35.2034, 28.3117, 98.2170**, and **8.1719, 4.4296, 39.4540** is the 20% darker color. If you saturate the color by 10%, you get **16.6150, 9.6164, 75.1095**, and if you desaturate by 10%, it is **22.2386, 16.9482, 76.2283**.

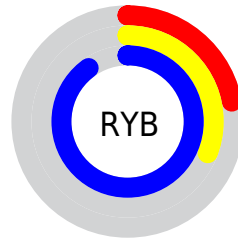
Distribution



Red (22%)

Green (33%)

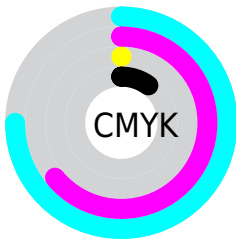
Blue (90%)



Red (22%)

Yellow (31%)

Blue (90%)

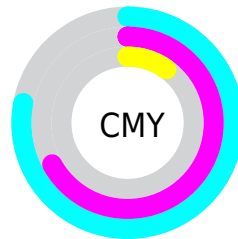


Cyan (75%)

Magenta (64%)

Yellow (0%)

Black (10%)



Cyan (78%)

Magenta (67%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9235, 12.7135, 75.5853 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 18.9235, 12.7135, 75.5853 by changing the saturation by 10% instead.

■ 18.9235, 12.7135,
75.5853

■ 18.9235, 12.7135,
75.5853

238.9723,
209.0733, 499.2359

■ 11.7187, 7.2316,
55.5879

■ 41.1227, 30.7881,
128.8952

■ 6.6233, 3.6073,
39.4708

■ 56.8477, 44.1496,
163.0449

■ 3.2718, 1.4564,
26.8156

■ 76.1436, 60.9063,
202.7490

■ 1.2991, 0.2578,
17.2035

■ 99.3756, 81.4427,
248.4262

■ 0.1825, 0.0000,
10.2162

■ 126.9091,
106.1433, 300.4949

■ 0.0000, 0.0000,
5.4351

159.1095,

■ 0.0000, 0.0000,

135.3923, 359.3737

2.4416

196.3421,
169.5741, 425.4812

■ 0.0000, 0.0000,
0.8089

■ 0.0000, 0.0000,
0.0000

■ 18.9235, 12.7135,
75.5853

■ 18.9235, 12.7135,
75.5853

■ 16.6150, 9.6164,
75.1095

■ 22.2386, 16.9482,
76.2283

■ 15.1889, 7.5400,
74.7839

■ 26.6599, 22.4192,
77.0513

■ 14.7322, 6.8358,
74.6720

■ 32.2771, 29.2152,
78.0670

■ 39.1700, 37.4163,
79.2867

■ 47.4114, 47.0962,
80.7207

■ 57.0685, 58.3233,
82.3788

■ 68.2042, 71.1619,
84.2700

■ 80.8772, 85.6724,
86.4028

■ 91.1429, 98.4372,
88.3256

Harmonies

Analogous

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



11.6356, 12.7135, 89.1563



18.9235, 12.7135, 75.5853



26.0516, 12.7135, 42.8495

Triad

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



18.9235, 12.7135, 75.5853



20.0035, 12.7135, 0.0000



3.4078, 12.7135, 12.5833

Complementary

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



18.9235, 12.7135, 75.5853



54.4118, 59.6730, 12.5230

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.



4.2913, 12.7135, 2.2116



18.9235, 12.7135, 75.5853



12.5434, 12.7135, 0.0000

Square

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



18.9235, 12.7135, 75.5853



26.8164, 12.7135, 2.9429



7.1297, 12.7135, 0.0000



4.0677, 12.7135, 38.2435

Rectangle

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



18.9235, 12.7135, 75.5853



28.8682, 12.7135, 22.7591



7.1297, 12.7135, 0.0000



3.5245, 12.7135, 7.6253

Sweetspot

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



18.9242, 12.7138, 75.5857



62.7880, 62.7665, 103.4136



40.1723, 61.0950, 64.5250



12.5497, 12.3956, 21.9811



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.



18.9242, 12.7138, 75.5857



20.0883, 10.6831, 95.6110



22.5909, 12.1853, 75.2904



13.7577, 14.2368, 18.1672



8.4774, 4.0169, 42.7117



0.6812, 0.4063, 3.1745

Inverse Universe

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



35.3384, 20.2103, 10.2218



42.4186, 22.3049, 6.3687



45.6996, 65.0680, 14.0235



14.4653, 14.4033, 15.3847



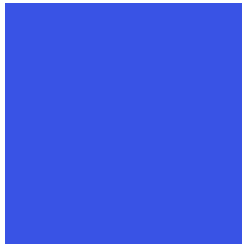
18.6725, 9.6032, 1.9045



1.4075, 0.7207, 0.2862

Previews

White Background



This preview shows how the XYZ color 18.9235, 12.7135, 75.5853 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 18.9235, 12.7135, 75.5853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

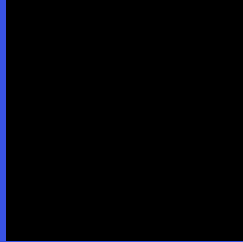
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9235, 12.7135, 75.5853

Background



This preview shows how black text looks on a background with the XYZ color 18.9235, 12.7135, 75.5853.



This preview shows how white text looks on a background with the XYZ color 18.9235, 12.7135,

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

18.9235, 12.7135, 75.5853

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038

Trichromacy



Original Color

18.9235, 12.7135, 75.5853

Protanomaly

15.9340, 12.3951, 63.8400

Deuteranomaly

14.0271, 12.1941, 52.0665

Monochromacy



Original Color

18.9235, 12.7135, 75.5853

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.6793, 10.7600, 27.0525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9235, 12.7135, 75.5853 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(57, 83, 229)` looks like.

```
.text, #text, p{  
    color:rgb(57, 83, 229)  
}
```

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(57, 83, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 83, 229) }
```

Border

The CSS property to change the border of an element to XYZ 18.9235, 12.7135, 75.5853 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(57, 83, 229) }
```

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

```
.border{ border-color:rgb(57, 83, 229) }
```

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

Here you see how a box with a 4 pixel rgb(57, 83, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 83, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 83, 229);  
box-shadow:4px 4px 4px 4px rgb(57, 83,  
229) }
```


Background

The CSS property to change the background color of an element to XYZ 18.9235, 12.7135, 75.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 83, 229) }
```

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

```
.background{ background-color: rgb(57, 83,  
229) }
```

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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