

Converting Colors

XYZ(17.0312, 18.4187, 33.4167)

Have a look what the booklet for
XYZ(17.0312, 18.4187, 33.4167)
contains.

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Color

**XYZ(17.0087, 18.4258,
33.2319)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7A9A
RGB	90, 122, 154
RGB Percent	35%, 48%, 60%
CMY	0.6470, 0.5216, 0.3961
CMYK	0.42, 0.21, 0.00, 0.40
HSL	210°, 26%, 48%
HSV	210°, 42%, 60%
XYZ	17.0087, 18.4258, 33.2319
YIQ	116.0800, -29.3440, 3.1680

Conversions

Conversions Part 2

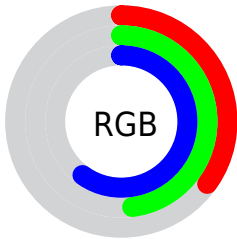
Format	Color
R_{YB}	90, 111, 154
Decimal	5929626
CIE _{Lab}	50.01, -2.76, -20.85
CIE _{LCh}	50, 21.031, 262.463
Yxy	18.4258, 0.2477, 0.2683
Android (android.graphics.Color)	4284119706 (0xFF5A7A9A)
YUV	116.0800, 18.6946, -22.8722
Hunter-Lab	42.9253, -4.3905, -15.8534

Details

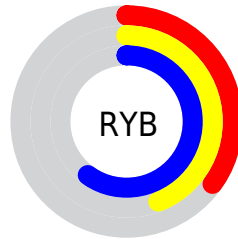
The XYZ color **17.0087, 18.4258, 33.2319** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.1318, 21.5277, 12.6623**, and the grayscale version is **16.5764, 17.4397, 18.9918**.

A 20% lighter version of the original color is **37.8489, 40.6658, 65.5289**, and **5.7337, 6.3082, 13.7474** is the 20% darker color. If you saturate the color by 10%, you get **14.7549, 15.9159, 32.8666**, and if you desaturate by 10%, it is **19.6490, 21.2469, 33.6376**.

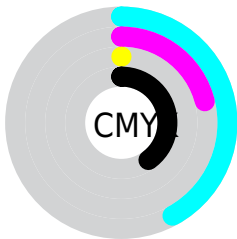
Distribution



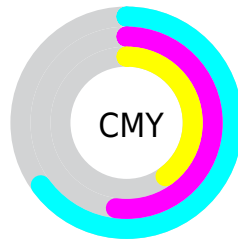
- Red (35%)
- Green (48%)
- Blue (60%)



- Red (35%)
- Yellow (44%)
- Blue (60%)



- Cyan (42%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (65%)
- Magenta (52%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0087, 18.4258, 33.2319 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 17.0087, 18.4258, 33.2319 by changing the saturation by 10% instead.

■ 17.0087, 18.4258,
33.2319

■ 17.0087, 18.4258,
33.2319

228.3778,
243.2602, 331.3574

■ 10.3360, 11.2561,
22.0316

■ 37.8842, 40.7616,
65.8576

■ 5.6863, 6.2394,
13.6816

■ 52.8178, 56.6964,
88.1200

■ 2.6941, 2.9912,
7.7633

■ 71.2357, 76.3218,
114.9070

■ 0.9941, 1.1271,
3.8583

■ 93.5033, 100.0221,
146.6369

■ 0.0000, 0.0009,
1.5479

119.9859,
128.1817, 183.7283

■ 0.0000, 0.0000,
0.2532

151.0490,

■ 0.0000, 0.0000,

161.1850, 226.5999

0.0000

187.0578,
199.4164, 275.6701

■ 17.0087, 18.4258,
33.2319

■ 17.0087, 18.4258,
33.2319

■ 14.7549, 15.9159,
32.8666

■ 19.6490, 21.2469,
33.6376

■ 12.8648, 13.7018,
32.5388

■ 22.6933, 24.3897,
34.0838

■ 11.3156, 11.7694,
32.2475

■ 26.1601, 27.8663,
34.5721

■ 10.0812, 10.1025,
31.9908

■ 30.0663, 31.6879,
35.1039

■ 9.1306, 8.6824,
31.7668

■ 34.4278, 35.8649,
35.6802

■ 8.4868, 7.6410,
31.5997

■ 39.2595, 40.4072,
36.3023

■ 44.5757, 45.3243,
36.9712

■ 50.3902, 50.6254,
37.6880

■ 56.7161, 56.3193,
38.4536

Harmonies

Analogous

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



15.2520, 18.4258, 30.2374



17.0087, 18.4258, 33.2319



19.0393, 18.4258, 32.1960

Triad

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



17.0087, 18.4258, 33.2319



21.3528, 18.4258, 16.1059



14.6107, 18.4258, 14.0204

Complementary

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



17.0087, 18.4258, 33.2319



22.1318, 21.5277, 12.6623

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.



16.0708, 18.4258, 11.4396



17.0087, 18.4258, 33.2319



19.9875, 18.4258, 12.4723

Square

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



17.0087, 18.4258, 33.2319



21.6522, 18.4258, 21.5571



18.0275, 18.4258, 10.9331



13.9384, 18.4258, 18.6388

Rectangle

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



17.0087, 18.4258, 33.2319



20.2680, 18.4258, 29.4369



18.0275, 18.4258, 10.9331



15.0200, 18.4258, 12.9253

Sweetspot

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



17.0093, 18.4265, 33.2323



47.0659, 50.1694, 62.7393



19.2196, 26.6641, 22.2020



10.4759, 11.1796, 14.1761



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.0093, 18.4265, 33.2323



27.0125, 29.1507, 59.7392



13.7965, 12.0010, 32.1614



6.1268, 6.5110, 7.8628



6.9501, 6.2969, 25.7568



0.1402, 0.1668, 0.3972

Inverse Universe

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



20.4959, 15.5881, 20.3416



34.4287, 23.9712, 32.1280



26.5526, 30.3692, 14.1359



6.3311, 6.2716, 7.1238



11.9669, 6.0410, 6.3505



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 17.0087, 18.4258, 33.2319 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 17.0087, 18.4258, 33.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

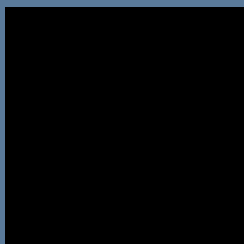
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

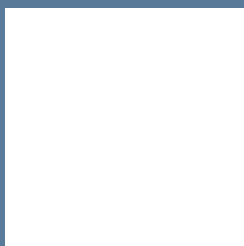
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0087, 18.4258, 33.2319

Background



This preview shows how black text looks on a background with the XYZ color 17.0087, 18.4258, 33.2319.

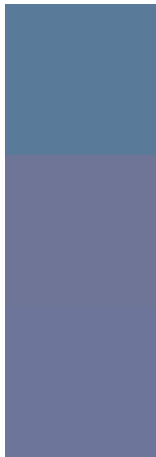


This preview shows how white text looks on a background with the XYZ color 17.0087, 18.4258,

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

17.0087, 18.4258, 33.2319

Protanopia

18.3776, 18.2719, 31.8364

Deuteranopia

18.7081, 18.4041, 33.5767



Tritanopia

15.4531, 18.3478, 25.6487

Trichromacy



Original Color

17.0087, 18.4258, 33.2319

Protanomaly

17.8578, 18.3442, 32.3053

Deuteranomaly

18.1067, 18.4438, 33.6160

Tritanomaly

16.0206, 18.3945, 28.2973

Monochromacy



Original Color

17.0087, 18.4258, 33.2319

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5711, 17.6944, 23.6611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0087, 18.4258, 33.2319 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(90, 122, 154) looks like.

```
.text, #text, p{  
    color:rgb(90, 122, 154)  
}
```

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(90, 122, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 122, 154) }
```

Border

The CSS property to change the border of an element to XYZ 17.0087, 18.4258, 33.2319 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(90, 122, 154) }
```


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

```
.border{ border-color:rgb(90, 122, 154) }
```

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

Here you see how a box with a 4 pixel rgb(90, 122, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 122, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 122, 154);  
box-shadow:4px 4px 4px 4px rgb(90, 122,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0087, 18.4258, 33.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 122, 154) }
```

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

```
.background{ background-color: rgb(90, 122,  
154) }
```

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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