

Converting Colors

XYZ(18.6657, 18.9119, 33.1414)

Have a look what the booklet for
XYZ(18.6657, 18.9119, 33.1414)
contains.

XYZ(18.7335, 18.9542, 33.2430)	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(18.7335, 18.9542,
33.2430)**

Conversions

Conversions Part 1

Format	Color
Hex	6C789A
RGB	108, 120, 154
RGB Percent	42%, 47%, 60%
CMY	0.5765, 0.5294, 0.3961
CMYK	0.30, 0.22, 0.00, 0.40
HSL	224°, 19%, 51%
HSV	224°, 30%, 60%
XYZ	18.7335, 18.9542, 33.2430
YIQ	120.2880, -18.0660, 8.0300

Conversions

Conversions Part 2

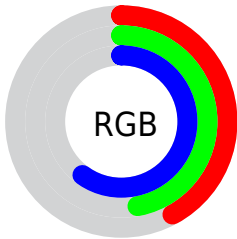
Format	Color
R _Y B	108, 118, 154
Decimal	7108762
CIE Lab	50.63, 3.77, -19.79
CIE LCh	51, 20.142, 280.778
Yxy	18.9542, 0.2641, 0.2672
Android (android.graphics.Color)	4285298842 (0xFF6C789A)
YUV	120.2880, 16.6200, -10.7766
Hunter-Lab	43.5364, 0.6189, -14.7964

Details

The XYZ color **18.7335, 18.9542, 33.2430** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.7063, 27.2987, 18.1021**, and the grayscale version is **17.8978, 18.8299, 20.5058**.

A 20% lighter version of the original color is **40.6349, 41.5327, 65.5494**, and **6.5692, 6.5438, 13.7488** is the 20% darker color. If you saturate the color by 10%, you get **15.7350, 15.4960, 32.7339**, and if you desaturate by 10%, it is **22.2268, 22.9099, 33.8227**.

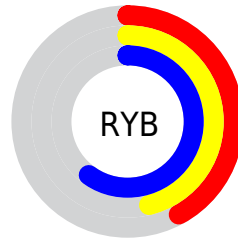
Distribution



Red (42%)

Green (47%)

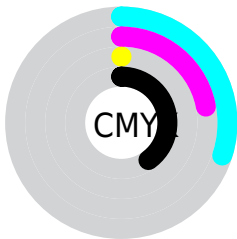
Blue (60%)



Red (42%)

Yellow (46%)

Blue (60%)

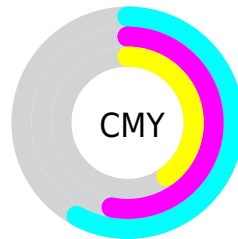


Cyan (30%)

Magenta (22%)

Yellow (0%)

Black (40%)



Cyan (58%)

Magenta (53%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7335, 18.9542, 33.2430 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 18.7335, 18.9542, 33.2430 by changing the saturation by 10% instead.

■ 18.7335, 18.9542,
33.2430

■ 18.7335, 18.9542,
33.2430

237.9400,
246.1958, 331.4088

■ 11.5807, 11.6372,
22.0400

■ 40.8037, 41.6567,
65.8751

■ 6.5290, 6.4971,
13.6877

■ 56.4517, 57.8110,
88.1413

■ 3.2130, 3.1497,
7.7675

■ 75.6623, 77.6798,
114.9323

■ 1.2674, 1.2104,
3.8609

■ 98.8008, 101.6475,
146.6667

■ 0.1586, 0.0701,
1.5494

126.2324,
130.0986, 183.7631

■ 0.0000, 0.0000,
0.2543

158.3226,

■ 0.0000, 0.0000,

163.4174, 226.6398

0.0000

195.4367,
201.9884, 275.7155

■ 18.7335, 18.9542,
33.2430

■ 18.7335, 18.9542,
33.2430

■ 15.7350, 15.4960,
32.7339

■ 22.2268, 22.9099,
33.8227

■ 13.2064, 12.5128,
32.2913

■ 26.2347, 27.3801,
34.4743

■ 11.1233, 9.9835,
31.9129

■ 30.7779, 32.3835,
35.2006

■ 9.4582, 7.8844,
31.5955

■ 35.8756, 37.9372,
36.0039

■ 8.1805, 6.1896,
31.3357

■ 41.5459, 44.0578,
36.8865

■ 7.2548, 4.8699,
31.1298

■ 47.8062, 50.7609,
37.8503

■ 6.6052, 3.8742,
30.9718

■ 54.6730, 58.0615,
38.8976

■ 6.5976, 3.8628,
30.9700

■ 62.1623, 65.9742,
40.0301

■ 70.2894, 74.5129,
41.2499

Harmonies

Analogous

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



16.7962, 18.9542, 32.6778



18.7335, 18.9542, 33.2430



20.6060, 18.9542, 29.9971

Triad

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



18.7335, 18.9542, 33.2430



21.0406, 18.9542, 14.3292



14.6683, 18.9542, 17.2665

Complementary

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



18.7335, 18.9542, 33.2430



25.7063, 27.2987, 18.1021

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.



15.6516, 18.9542, 13.4612



18.7335, 18.9542, 33.2430



19.2923, 18.9542, 11.9915

Square

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



18.7335, 18.9542, 33.2430



22.0011, 18.9542, 18.6739



17.3159, 18.9542, 11.7058



14.5427, 18.9542, 22.7350

Rectangle

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



18.7335, 18.9542, 33.2430



21.5298, 18.9542, 26.4036



17.3159, 18.9542, 11.7058



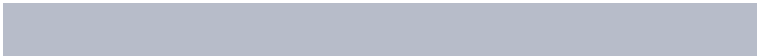
14.9059, 18.9542, 15.7793

Sweetspot

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



18.7341, 18.9549, 33.2434



48.1940, 50.3325, 62.7113



22.6028, 28.2447, 29.7472



10.6677, 11.1257, 14.1556



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.



18.7341, 18.9549, 33.2434



30.2042, 30.0322, 59.7412



18.7669, 16.9617, 32.8570



6.0090, 6.2754, 7.8235



5.4010, 3.1987, 25.2404



0.1071, 0.1006, 0.3861

Inverse Universe

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



22.0796, 18.9517, 20.2645



37.3827, 30.2949, 31.8316



25.6366, 30.0577, 18.6383



6.2717, 6.2478, 6.8107



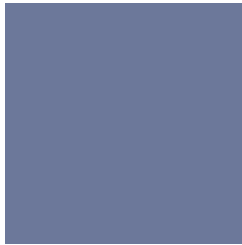
11.1849, 5.7282, 2.2329



0.1805, 0.0910, 0.1036

Previews

White Background



This preview shows how the XYZ color 18.7335, 18.9542, 33.2430 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 18.7335, 18.9542, 33.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

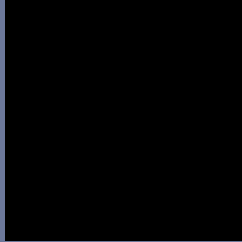
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

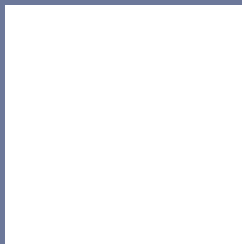
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7335, 18.9542, 33.2430

Background



This preview shows how black text looks on a background with the XYZ color 18.7335, 18.9542, 33.2430.

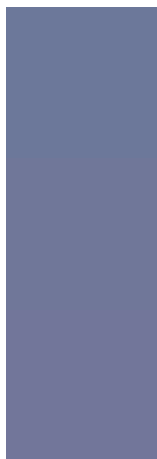


This preview shows how white text looks on a background with the XYZ color 18.7335, 18.9542,

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

18.7335, 18.9542, 33.2430

Protanopia

19.0287, 18.9383, 32.7895

Deuteranopia

19.2506, 18.8674, 33.1990



Tritanopia

17.2196, 19.0796, 25.3294

Trichromacy



Original Color

18.7335, 18.9542, 33.2430

Protanomaly

18.9021, 18.8731, 32.7836

Deuteranomaly

19.1117, 18.9715, 33.2264

Tritanomaly

17.7164, 19.0923, 27.9507

Monochromacy



Original Color

18.7335, 18.9542, 33.2430

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0838, 18.8119, 24.5077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7335, 18.9542, 33.2430 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(108, 120, 154)` looks like.

```
.text, #text, p{  
    color:rgb(108, 120, 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(108, 120, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 120, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.7335, 18.9542, 33.2430 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(108, 120, 154) }
```


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

```
.border{ border-color:rgb(108, 120, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 120, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 120, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 120, 154);  
box-shadow:4px 4px 4px 4px rgb(108, 120,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7335, 18.9542, 33.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 120, 154) }
```

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

```
.background{ background-color: rgb(108,  
120, 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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