

Converting Colors

XYZ(18.3255, 22.3735, 33.0822)

Have a look what the booklet for
XYZ(18.3255, 22.3735, 33.0822)
contains.

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Color

**XYZ(18.2357, 22.2378,
33.0370)**

Conversions

Conversions Part 1

Format	Color
Hex	528A98
RGB	82, 138, 152
RGB Percent	32%, 54%, 60%
CMY	0.6784, 0.4588, 0.4039
CMYK	0.46, 0.09, 0.00, 0.40
HSL	192°, 30%, 46%
HSV	192°, 46%, 60%
XYZ	18.2357, 22.2378, 33.0370
YIQ	122.8520, -37.8700, -7.5180

Conversions

Conversions Part 2

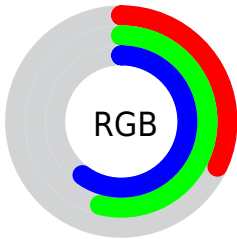
Format	Color
R_{YB}	82, 113, 152
Decimal	5409432
CIE _{Lab}	54.28, -14.54, -13.22
CIE _{LCh}	54, 19.657, 222.276
Yxy	22.2378, 0.2481, 0.3025
Android (android.graphics.Color)	4283599512 (0xFF528A98)
YUV	122.8520, 14.3700, -35.8272
Hunter-Lab	47.1570, -13.4984, -8.5272

Details

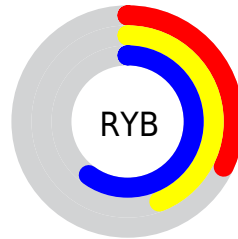
The XYZ color **18.2357, 22.2378, 33.0370** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6553, 15.6509, 10.0211**, and the grayscale version is **18.7417, 19.7178, 21.4726**.

A 20% lighter version of the original color is **39.9819, 47.3064, 65.4163**, and **6.2907, 8.1520, 13.5539** is the 20% darker color. If you saturate the color by 10%, you get **16.6276, 20.7709, 32.8390**, and if you desaturate by 10%, it is **20.1502, 23.8818, 33.2538**.

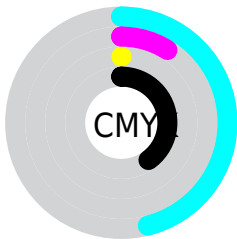
Distribution



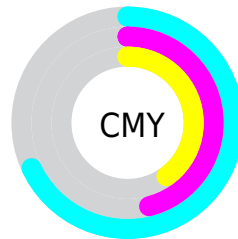
- Red (32%)
- Green (54%)
- Blue (60%)



- Red (32%)
- Yellow (44%)
- Blue (60%)



- Cyan (46%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (68%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2357, 22.2378, 33.0370 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 18.2357, 22.2378, 33.0370 by changing the saturation by 10% instead.

■ 18.2357, 22.2378,
33.0370

■ 18.2357, 22.2378,
33.0370

235.2162,
263.7856, 330.4535

■ 11.2201, 14.0317,
21.8834

■ 39.9655, 47.1387,
65.5500

■ 6.2834, 8.1427,
13.5738

■ 55.4103, 64.6024,
87.7465

■ 3.0605, 4.1864,
7.6895

■ 74.3956, 85.9206,
114.4610

■ 1.1858, 1.7784,
3.8120

■ 97.2867, 111.4780,
146.1122

■ 0.0951, 0.4736,
1.5228

■ 124.4490,
141.6587, 183.1184

■ 0.0000, 0.0000,
0.2348

156.2477,

■ 0.0000, 0.0000,

176.8473, 225.8984

0.0000

193.0484,
217.4282, 274.8706

■ 18.2357, 22.2378,
33.0370

■ 18.2357, 22.2378,
33.0370

■ 16.6276, 20.7709,
32.8390

■ 20.1502, 23.8818,
33.2538

■ 15.3042, 19.4682,
32.6573

■ 22.3869, 25.7097,
33.4887

■ 14.2441, 18.3190,
32.4914

■ 24.9629, 27.7309,
33.7431

■ 13.4219, 17.3102,
32.3400

■ 27.8936, 29.9536,
34.0177

■ 12.8013, 16.4229,
32.2014

■ 31.1932, 32.3851,
34.3131

■ 12.5784, 16.0887,
32.1487

■ 34.8754, 35.0326,
34.6300

■ 38.9530, 37.9030,
34.9692

■ 43.4381, 41.0026,
35.3310

■ 48.3426, 44.3375,
35.7163

Harmonies

Analogous

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



17.3653, 22.2378, 26.8062



18.2357, 22.2378, 33.0370



19.9083, 22.2378, 37.2619

Triad

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



18.2357, 22.2378, 33.0370



25.3030, 22.2378, 27.9807



20.2735, 22.2378, 14.4273

Complementary

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



18.2357, 22.2378, 33.0370



18.6553, 15.6509, 10.0211

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.



22.4139, 22.2378, 14.6336



18.2357, 22.2378, 33.0370



25.4173, 22.2378, 21.7930

Square

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



18.2357, 22.2378, 33.0370



24.0269, 22.2378, 34.0209



24.3294, 22.2378, 17.1196



18.4875, 22.2378, 16.4987

Rectangle

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



18.2357, 22.2378, 33.0370



21.3002, 22.2378, 37.9999



24.3294, 22.2378, 17.1196



20.9734, 22.2378, 14.2439

Sweetspot

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



18.2364, 22.2387, 33.0375



44.9347, 49.6184, 59.6427



16.7665, 25.0741, 14.7437



9.9900, 11.1061, 13.5347



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.2364, 22.2387, 33.0375



29.3440, 36.6574, 57.9627



14.1150, 13.9958, 31.6637



6.2796, 6.8166, 7.9137



10.5685, 13.5337, 26.9629



0.1818, 0.2498, 0.4110

Inverse Universe

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



20.5543, 14.5457, 25.7699



34.0888, 21.9065, 42.8619



22.4329, 23.2062, 11.2803



6.4083, 6.3025, 7.5300



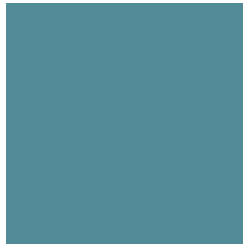
13.7933, 6.7715, 15.9682



0.2182, 0.1060, 0.3019

Previews

White Background



This preview shows how the XYZ color 18.2357, 22.2378, 33.0370 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 18.2357, 22.2378, 33.0370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

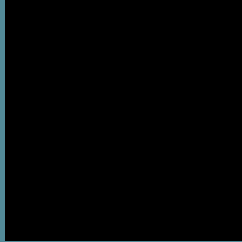
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2357, 22.2378, 33.0370

Background



This preview shows how black text looks on a background with the XYZ color 18.2357, 22.2378, 33.0370.



This preview shows how white text looks on a background with the XYZ color 18.2357, 22.2378,

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

18.2357, 22.2378, 33.0370

Protanopia

21.6599, 22.0257, 30.3039

Deuteranopia

22.4305, 21.9554, 34.0659



Tritanopia

17.9868, 22.1283, 32.1773

Trichromacy



Original Color

18.2357, 22.2378, 33.0370

Protanomaly

20.1521, 22.0202, 31.2052

Deuteranomaly

20.4975, 21.7431, 33.6884

Tritanomaly

18.0677, 22.1607, 32.6033

Monochromacy



Original Color

18.2357, 22.2378, 33.0370

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2066, 20.3477, 25.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2357, 22.2378, 33.0370 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(82, 138, 152)` looks like.

```
.text, #text, p{  
    color:rgb(82, 138, 152)  
}
```

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(82, 138, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 138, 152) }
```

Border

The CSS property to change the border of an element to XYZ 18.2357, 22.2378, 33.0370 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(82, 138, 152) }
```


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

```
.border{ border-color:rgb(82, 138, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 138, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 138, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 138, 152);  
box-shadow:4px 4px 4px 4px rgb(82, 138,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2357, 22.2378, 33.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 138, 152) }
```

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

```
.background{ background-color: rgb(82, 138,  
152) }
```

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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