

Converting Colors

XYZ(9.3562, 11.4218, 18.9430)

Have a look what the booklet for
XYZ(9.3562, 11.4218, 18.9430)
contains.

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Color

**XYZ(9.2889, 11.3192,
18.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	336576
RGB	51, 101, 118
RGB Percent	20%, 40%, 46%
CMY	0.8000, 0.6039, 0.5373
CMYK	0.57, 0.14, 0.00, 0.54
HSL	195°, 40%, 33%
HSV	195°, 57%, 46%
XYZ	9.2889, 11.3192, 18.8348
YIQ	87.9880, -35.2570, -5.3130

Conversions

Conversions Part 2

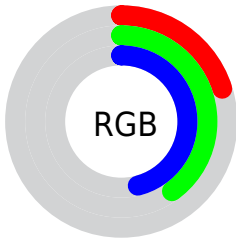
Format	Color
R_{YB}	51, 80, 118
Decimal	3368310
CIE Lab	40.11, -11.56, -14.69
CIE LCh	40, 18.692, 231.809
Yxy	11.3192, 0.2355, 0.2870
Android (android.graphics.Color)	4281558390 (0xFF336576)
YUV	87.9880, 14.7959, -32.4385
Hunter-Lab	33.6440, -9.5943, -9.6413

Details

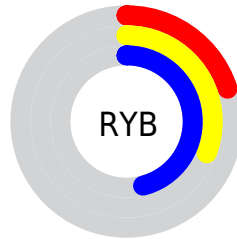
The XYZ color **9.2889, 11.3192, 18.8348** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1361, 8.2250, 4.1855**, and the grayscale version is **9.2477, 9.7293, 10.5952**.

A 20% lighter version of the original color is **24.0775, 28.2423, 42.2125**, and **2.4247, 3.0805, 6.2612** is the 20% darker color. If you saturate the color by 10%, you get **8.4829, 10.4802, 18.7155**, and if you desaturate by 10%, it is **10.2572, 12.2581, 18.9652**.

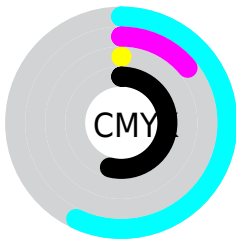
Distribution



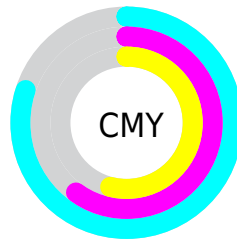
- Red (20%)
- Green (40%)
- Blue (46%)



- Red (20%)
- Yellow (31%)
- Blue (46%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)



- Cyan (80%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.2889, 11.3192, 18.8348 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 9.2889, 11.3192, 18.8348 by changing the saturation by 10% instead.

■ 9.2889, 11.3192,
18.8348

■ 9.2889, 11.3192,
18.8348

■ 179.6805,
199.8446, 257.9275

■ 4.9887, 6.2820,
11.3754

■ 24.1111, 28.2489,
42.2877

■ 2.2753, 3.0173,
6.2026

■ 35.3639, 40.9102,
59.1183

■ 0.7820, 1.1408,
2.8979

■ 49.6648, 56.8816,
79.9097

■ 0.0000, 0.0125,
1.0427

■ 67.3794, 76.5476,
105.0804

■ 0.0000, 0.0000,
0.0000

■ 88.8729, 100.2924,
135.0490

■ 114.5106,

128.5006, 170.2340

144.6581,
161.5565, 211.0540

■ 9.2889, 11.3192,
18.8348

■ 9.2889, 11.3192,
18.8348

■ 8.4829, 10.4802,
18.7155

■ 10.2572, 12.2581,
18.9652

■ 7.8262, 9.7335,
18.6060

■ 11.3973, 13.3011,
19.1064

■ 7.3059, 9.0725,
18.5059

■ 12.7191, 14.4539,
19.2593

■ 6.8922, 8.4817,
18.4136

■ 14.2315, 15.7212,
19.4242

■ 6.7649, 8.2976,
18.3848

■ 15.9428, 17.1073,
19.6015

■ 17.8608, 18.6166,
19.7918

■ 19.9928, 20.2528,
19.9952

■ 22.3458, 22.0197,
20.2122

■ 24.9265, 23.9210,
20.4432

Harmonies

Analogous

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



8.6050, 11.3192, 15.1736



9.2889, 11.3192, 18.8348



10.4071, 11.3192, 20.8336

Triad

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



9.2889, 11.3192, 18.8348



13.4211, 11.3192, 13.3707



9.8582, 11.3192, 6.8110

Complementary

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



9.2889, 11.3192, 18.8348



10.1361, 8.2250, 4.1855

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.



11.1179, 11.3192, 6.5200



9.2889, 11.3192, 18.8348



13.2444, 11.3192, 9.8567

Square

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



9.2889, 11.3192, 18.8348



12.8404, 11.3192, 17.2899



12.3756, 11.3192, 7.5196



8.9148, 11.3192, 8.4146

Rectangle

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



9.2889, 11.3192, 18.8348



11.2771, 11.3192, 20.7226



12.3756, 11.3192, 7.5196



10.2561, 11.3192, 6.5714

Sweetspot

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



9.2893, 11.3196, 18.8351



24.8415, 27.4927, 34.1343



8.8797, 14.0752, 7.6780



5.6163, 6.2423, 7.8378



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



9.2893, 11.3196, 18.8351



14.5527, 18.0284, 32.8498



6.6875, 6.1161, 17.9678



3.7084, 4.0055, 4.6679



7.3083, 8.9564, 19.8861



34.9033, 42.2231, 96.6706

Inverse Universe

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



11.0043, 7.1590, 13.1143



18.0385, 10.4876, 21.0170



12.7470, 13.4468, 5.0558



3.7888, 3.7428, 4.4149



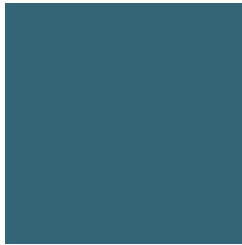
9.9861, 4.9281, 10.4007



48.3043, 23.8718, 48.7932

Previews

White Background



This preview shows how the XYZ color 9.2889, 11.3192, 18.8348 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 9.2889, 11.3192, 18.8348 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 9.2889, 11.3192, 18.8348

Background



This preview shows how black text looks on a background with the XYZ color 9.2889, 11.3192, 18.8348.

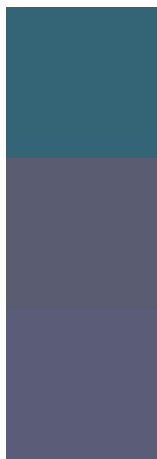


This preview shows how white text looks on a background with the XYZ color 9.2889, 11.3192,

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

9.2889, 11.3192, 18.8348

Protanopia

11.1114, 11.1946, 17.1979

Deuteranopia

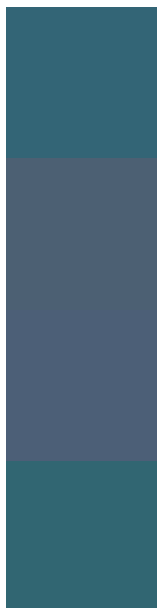
11.4338, 11.1840, 19.3254



Tritanopia

8.8395, 11.2788, 16.7501

Trichromacy



Original Color

9.2889, 11.3192, 18.8348

Protanomaly

10.2579, 11.1400, 17.8293

Deuteranomaly

10.4025, 11.0528, 19.0379

Tritanomaly

9.0553, 11.3706, 17.6371

Monochromacy



Original Color

9.2889, 11.3192, 18.8348

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.0681, 10.2254, 13.3001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.2889, 11.3192, 18.8348 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(51, 101, 118)` looks like.

```
.text, #text, p{  
    color:rgb(51, 101, 118)  
}
```

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(51, 101, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 101, 118) }
```

Border

The CSS property to change the border of an element to XYZ 9.2889, 11.3192, 18.8348 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(51, 101, 118) }
```


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

```
.border{ border-color:rgb(51, 101, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 101, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 101, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 101, 118);  
box-shadow:4px 4px 4px 4px rgb(51, 101,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 9.2889, 11.3192, 18.8348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 101, 118) }
```

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

```
.background{ background-color: rgb(51, 101,  
118) }
```

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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