

Converting Colors

XYZ(9.3876, 11.8737, 18.7195)

Have a look what the booklet for
XYZ(9.3876, 11.8737, 18.7195)
contains.

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Color

**XYZ(9.3335, 11.7893,
18.6133)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6875
RGB	47, 104, 117
RGB Percent	18%, 41%, 46%
CMY	0.8157, 0.5922, 0.5412
CMYK	0.60, 0.11, 0.00, 0.54
HSL	191°, 43%, 32%
HSV	191°, 60%, 46%
XYZ	9.3335, 11.7893, 18.6133
YIQ	88.4390, -38.1450, -8.0410

Conversions

Conversions Part 2

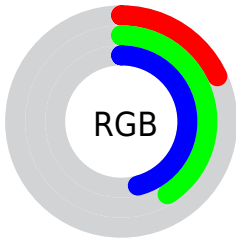
Format	Color
R_{YB}	47, 78, 117
Decimal	3106933
CIE Lab	40.88, -14.49, -12.93
CIE LCh	41, 19.422, 221.743
Yxy	11.7893, 0.2349, 0.2967
Android (android.graphics.Color)	4281297013 (0xFF2F6875)
YUV	88.4390, 14.0806, -36.3420
Hunter-Lab	34.3356, -11.5652, -8.1062

Details

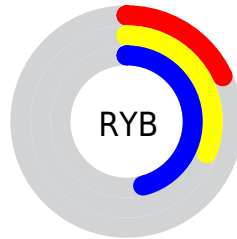
The XYZ color **9.3335, 11.7893, 18.6133** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.4654, 7.2193, 3.5843**, and the grayscale version is **9.3483, 9.8352, 10.7105**.

A 20% lighter version of the original color is **24.1383, 29.0166, 41.8647**, and **2.5373, 3.3559, 6.1443** is the 20% darker color. If you saturate the color by 10%, you get **8.6490, 11.1161, 18.5197**, and if you desaturate by 10%, it is **10.1691, 12.5492, 18.7162**.

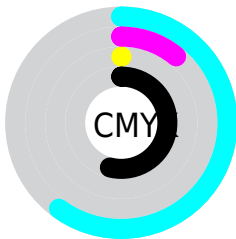
Distribution



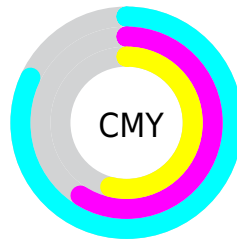
- Red (18%)
- Green (41%)
- Blue (46%)



- Red (18%)
- Yellow (31%)
- Blue (46%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (54%)



- Cyan (82%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3335, 11.7893, 18.6133 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 9.3335, 11.7893, 18.6133 by changing the saturation by 10% instead.

■ 9.3335, 11.7893,
18.6133

■ 9.3335, 11.7893,
18.6133

180.0016,
203.0054, 256.6568

■ 5.0182, 6.6004,
11.2172

■ 24.1953, 29.1108,
41.9076

■ 2.2928, 3.2135,
6.0971

■ 35.4725, 42.0121,
58.6429

■ 0.7910, 1.2442,
2.8345

■ 49.8011, 58.2530,
79.3283

■ 0.0000, 0.0973,
1.0108

■ 67.5464, 78.2180,
104.3825

■ 0.0000, 0.0000,
0.0000

■ 89.0737, 102.2912,
134.2238

■ 114.7484,

130.8573, 169.2710

144.9359,
164.3006, 209.9424

■ 9.3335, 11.7893,
18.6133

■ 9.3335, 11.7893,
18.6133

■ 8.6490, 11.1161,
18.5197

■ 10.1691, 12.5492,
18.7162

■ 8.1025, 10.5222,
18.4338

■ 11.1652, 13.4001,
18.8279

■ 7.6807, 10.0008,
18.3554

■ 12.3319, 14.3473,
18.9492

■ 7.3337, 9.5261,
18.2821

■ 13.6779, 15.3956,
19.0806

■ 7.3277, 9.5179,
18.2808

■ 15.2115, 16.5491,
19.2225

■ 16.9403, 17.8120,
19.3751

■ 18.8717, 19.1881,
19.5389

■ 21.0125, 20.6808,
19.7142

■ 23.3692, 22.2938,
19.9013

Harmonies

Analogous

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



8.7951, 11.7893, 14.4521



9.3335, 11.7893, 18.6133



10.3916, 11.7893, 21.5270

Triad

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



9.3335, 11.7893, 18.6133



13.9294, 11.7893, 15.3772



10.6721, 11.7893, 6.7237

Complementary

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



9.3335, 11.7893, 18.6133



9.4654, 7.2193, 3.5843

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.



12.0605, 11.7893, 6.8705



9.3335, 11.7893, 18.6133



14.0201, 11.7893, 11.3461

Square

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



9.3335, 11.7893, 18.6133



13.0735, 11.7893, 19.4095



13.3122, 11.7893, 8.3989



9.5242, 11.7893, 7.9454

Rectangle

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



9.3335, 11.7893, 18.6133



11.2866, 11.7893, 22.0684



13.3122, 11.7893, 8.3989



11.1246, 11.7893, 6.6228

Sweetspot

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



9.3339, 11.7897, 18.6136



24.8465, 27.8385, 34.2008



8.3452, 13.6517, 6.4476



5.5728, 6.2936, 7.8500



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.



9.3339, 11.7897, 18.6136



15.0643, 19.4599, 33.0992



6.5220, 6.1659, 17.6763



3.7283, 4.0452, 4.6745



8.0632, 10.4660, 20.1377



38.7116, 49.8397, 97.9400

Inverse Universe

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



10.8517, 6.8148, 13.8406



18.1970, 10.1693, 23.0285



11.9268, 12.1420, 4.4048



3.7989, 3.7468, 4.4676



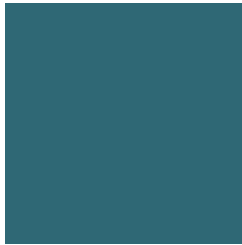
10.3670, 5.0805, 12.4069



50.2266, 24.6407, 58.9157

Previews

White Background



This preview shows how the XYZ color 9.3335, 11.7893, 18.6133 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 9.3335, 11.7893, 18.6133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

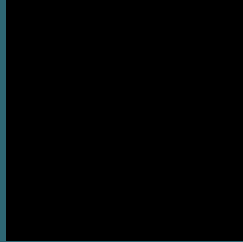
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.3335, 11.7893, 18.6133

Background



This preview shows how black text looks on a background with the XYZ color 9.3335, 11.7893, 18.6133.

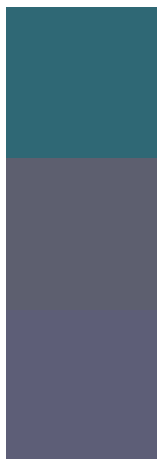


This preview shows how white text looks on a background with the XYZ color 9.3335, 11.7893,

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

9.3335, 11.7893, 18.6133

Protanopia

11.4757, 11.6593, 16.6846

Deuteranopia

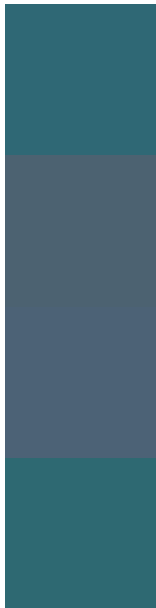
11.8467, 11.6645, 19.0798



Tritanopia

9.1144, 11.8533, 17.4303

Trichromacy



Original Color

9.3335, 11.7893, 18.6133

Protanomaly

10.3288, 11.4641, 17.2912

Deuteranomaly

10.6182, 11.5799, 18.8150

Tritanomaly

9.2156, 11.8989, 17.7306

Monochromacy



Original Color

9.3335, 11.7893, 18.6133

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.0025, 10.3227, 13.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3335, 11.7893, 18.6133 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(47, 104, 117)` looks like.

```
.text, #text, p{  
    color:rgb(47, 104, 117)  
}
```

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(47, 104, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 104, 117) }
```

Border

The CSS property to change the border of an element to XYZ 9.3335, 11.7893, 18.6133 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(47, 104, 117) }
```


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

```
.border{ border-color:rgb(47, 104, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 104, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 104, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 104, 117);  
box-shadow:4px 4px 4px 4px rgb(47, 104,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3335, 11.7893, 18.6133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 104, 117) }
```

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

```
.background{ background-color: rgb(47, 104,  
117) }
```

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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