

Converting Colors

XYZ(9.6081, 10.9030, 18.7378)

Have a look what the booklet for
XYZ(9.6081, 10.9030, 18.7378)
contains.

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Color

**XYZ(9.5946, 10.9142,
18.7405)**

Conversions

Conversions Part 1

Format	Color
Hex	3F6176
RGB	63, 97, 118
RGB Percent	25%, 38%, 46%
CMY	0.7529, 0.6196, 0.5373
CMYK	0.47, 0.18, 0.00, 0.54
HSL	203°, 30%, 35%
HSV	203°, 47%, 46%
XYZ	9.5946, 10.9142, 18.7405
YIQ	89.2280, -27.0050, -0.6770

Conversions

Conversions Part 2

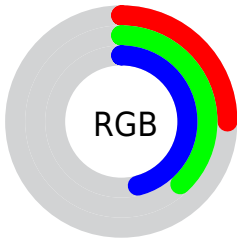
Format	Color
R _{YB}	63, 84, 118
Decimal	4153718
CIE Lab	39.44, -6.14, -15.67
CIE LCh	39, 16.831, 248.614
Yxy	10.9142, 0.2445, 0.2781
Android (android.graphics.Color)	4282343798 (0xFF3F6176)
YUV	89.2280, 14.1846, -23.0020
Hunter-Lab	33.0366, -5.9736, -10.5074

Details

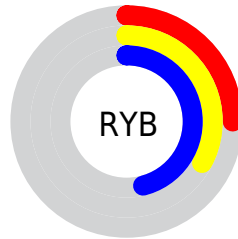
The XYZ color **9.5946, 10.9142, 18.7405** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5389, 10.5512, 6.1313**, and the grayscale version is **9.5201, 10.0159, 10.9073**.

A 20% lighter version of the original color is **24.7850, 27.6595, 42.0627**, and **2.4145, 2.8744, 6.2219** is the 20% darker color. If you saturate the color by 10%, you get **8.5158, 9.7577, 18.5743**, and if you desaturate by 10%, it is **10.8593, 12.2021, 18.9226**.

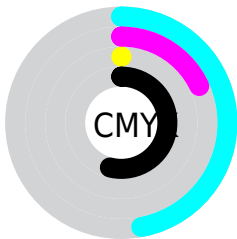
Distribution



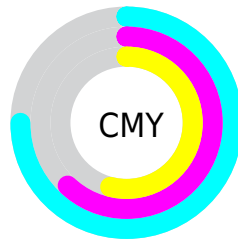
- Red (25%)
- Green (38%)
- Blue (46%)



- Red (25%)
- Yellow (33%)
- Blue (46%)



- Cyan (47%)
- Magenta (18%)
- Yellow (0%)
- Black (54%)



- Cyan (75%)
- Magenta (62%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5946, 10.9142, 18.7405 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 9.5946, 10.9142, 18.7405 by changing the saturation by 10% instead.

■ 9.5946, 10.9142,
18.7405

■ 9.5946, 10.9142,
18.7405

181.8684,
197.0780, 257.3872

■ 5.1912, 6.0092,
11.3080

■ 24.6868, 27.5014,
42.1260

■ 2.3958, 2.8507,
6.1576

■ 36.1063, 39.9524,
58.9161

■ 0.8430, 1.0543,
2.8708

■ 50.5952, 55.6874,
79.6624

■ 0.0000, 0.0000,
1.0291

■ 68.5189, 75.0910,
104.7836

■ 0.0000, 0.0000,
0.0000

■ 90.2427, 98.5474,
134.6981

■ 116.1320,

126.4411, 169.8245

146.5521,
159.1565, 210.5814

■ 9.5946, 10.9142,
18.7405

■ 9.5946, 10.9142,
18.7405

■ 8.5158, 9.7577,
18.5743

■ 10.8593, 12.2021,
18.9226

■ 7.6111, 8.7253,
18.4227

■ 12.3188, 13.6258,
19.1205

■ 6.8687, 7.8105,
18.2853

■ 13.9825, 15.1911,
19.3349

■ 6.2750, 7.0057,
18.1612

■ 15.8590, 16.9027,
19.5664

■ 5.8008, 6.2952,
18.0491

■ 17.9563, 18.7655,
19.8154

■ 5.6492, 6.0663,
18.0129

■ 20.2819, 20.7839,
20.0824

■ 22.8432, 22.9619,
20.3679

■ 25.6469, 25.3038,
20.6721

■ 28.6997, 27.8134,
20.9956

Harmonies

Analogous

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



8.7533, 10.9142, 16.2480



9.5946, 10.9142, 18.7405



10.7054, 10.9142, 19.2345

Triad

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



9.5946, 10.9142, 18.7405



12.6955, 10.9142, 10.9680



9.0648, 10.9142, 7.6222

Complementary

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



9.5946, 10.9142, 18.7405



11.5389, 10.5512, 6.1313

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.



10.0488, 10.9142, 6.6944



9.5946, 10.9142, 18.7405



12.1825, 10.9142, 8.3805

Square

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



9.5946, 10.9142, 18.7405



12.5516, 10.9142, 14.3232



11.1937, 10.9142, 6.9440



8.4634, 10.9142, 9.7382

Rectangle

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



9.5946, 10.9142, 18.7405



11.4593, 10.9142, 18.2910



11.1937, 10.9142, 6.9440



9.3588, 10.9142, 7.1804

Sweetspot

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



9.5950, 10.9146, 18.7408



25.2981, 27.3680, 34.0862



10.0964, 14.6410, 10.5115



5.6910, 6.1767, 7.8212



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.



9.5950, 10.9146, 18.7408



14.8376, 17.0067, 32.6376



7.5312, 6.7872, 18.0529



3.6715, 3.9315, 4.6556



6.0993, 6.5383, 19.4831



28.8760, 30.1685, 94.6615

Inverse Universe

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



11.4067, 8.2699, 12.3048



18.5707, 12.1878, 19.2346



14.0168, 15.5069, 6.9573



3.7702, 3.7354, 4.3166



9.3758, 4.6840, 7.1870



45.2620, 22.6549, 32.7727

Previews

White Background



This preview shows how the XYZ color 9.5946, 10.9142, 18.7405 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 9.5946, 10.9142, 18.7405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

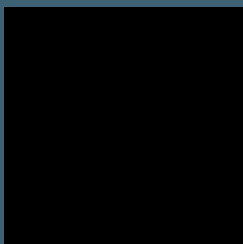
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

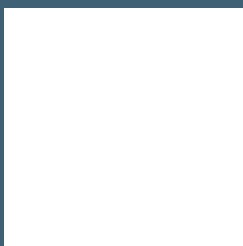
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.5946, 10.9142, 18.7405

Background



This preview shows how black text looks on a background with the XYZ color 9.5946, 10.9142, 18.7405.

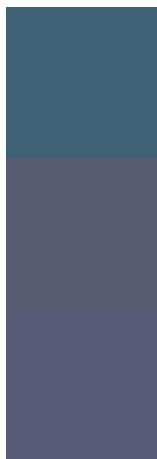


This preview shows how white text looks on a background with the XYZ color 9.5946, 10.9142,

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

9.5946, 10.9142, 18.7405

Protanopia

10.7949, 10.8954, 17.4537

Deuteranopia

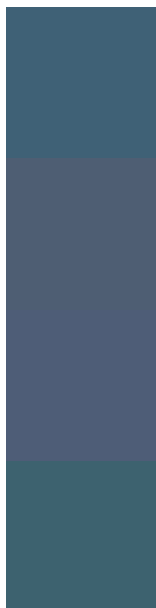
11.0013, 10.8403, 18.9653



Tritanopia

8.9792, 10.9459, 15.5494

Trichromacy



Original Color

9.5946, 10.9142, 18.7405

Protanomaly

10.2391, 10.8629, 17.7767

Deuteranomaly

10.3860, 10.7803, 18.9862

Tritanomaly

9.1614, 10.8752, 16.6552

Monochromacy



Original Color

9.5946, 10.9142, 18.7405

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.4357, 10.2799, 13.5435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5946, 10.9142, 18.7405 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(63, 97, 118)` looks like.

```
.text, #text, p{  
    color:rgb(63, 97, 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(63, 97, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 97, 118) }
```

Border

The CSS property to change the border of an element to XYZ 9.5946, 10.9142, 18.7405 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(63, 97, 118) }
```


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

```
.border{ border-color:rgb(63, 97, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 97, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 97, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 97, 118);  
box-shadow:4px 4px 4px 4px rgb(63, 97,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 9.5946, 10.9142, 18.7405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 97, 118) }
```

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

```
.background{ background-color: rgb(63, 97,  
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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