

Converting Colors

XYZ(10.1213, 11.0257, 18.6640)

Have a look what the booklet for
XYZ(10.1213, 11.0257, 18.6640)
contains.

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Color

**XYZ(10.1254, 11.0515,
18.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	486076
RGB	72, 96, 118
RGB Percent	28%, 38%, 46%
CMY	0.7176, 0.6235, 0.5373
CMYK	0.39, 0.19, 0.00, 0.54
HSL	209°, 24%, 37%
HSV	209°, 39%, 46%
XYZ	10.1254, 11.0515, 18.7390
YIQ	91.3320, -21.3660, 1.7540

Conversions

Conversions Part 2

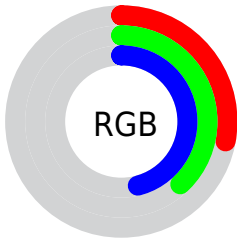
Format	Color
R_{YB}	72, 88, 118
Decimal	4743286
CIE _{Lab}	39.67, -2.92, -15.27
CIE _{LCh}	40, 15.547, 259.178
Yxy	11.0515, 0.2537, 0.2769
Android (android.graphics.Color)	4282933366 (0xFF486076)
YUV	91.3320, 13.1473, -16.9542
Hunter-Lab	33.2438, -3.8091, -10.1502

Details

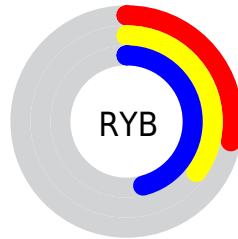
The XYZ color **10.1254, 11.0515, 18.7390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6438, 12.3251, 7.8439**, and the grayscale version is **9.9943, 10.5148, 11.4506**.

A 20% lighter version of the original color is **25.5606, 27.5976, 42.0099**, and **2.6228, 2.9176, 6.2193** is the 20% darker color. If you saturate the color by 10%, you get **8.8323, 9.6480, 18.5364**, and if you desaturate by 10%, it is **11.6251, 12.6169, 18.9623**.

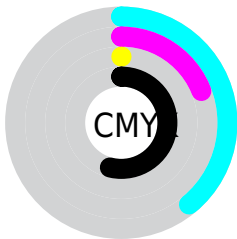
Distribution



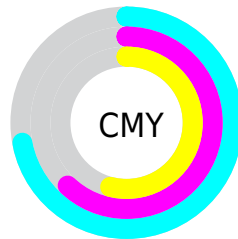
- Red (28%)
- Green (38%)
- Blue (46%)



- Red (28%)
- Yellow (35%)
- Blue (46%)



- Cyan (39%)
- Magenta (19%)
- Yellow (0%)
- Black (54%)



- Cyan (72%)
- Magenta (62%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1254, 11.0515, 18.7390 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 10.1254, 11.0515, 18.7390 by changing the saturation by 10% instead.

■ 10.1254, 11.0515,
18.7390

■ 10.1254, 11.0515,
18.7390

185.5997,
198.0205, 257.3786

■ 5.5451, 6.1015,
11.3069

■ 25.6786, 27.7554,
42.1234

■ 2.6085, 2.9069,
6.1569

■ 37.3823, 40.2780,
58.9128

■ 0.9503, 1.0833,
2.8704

■ 52.1911, 56.0936,
79.6585

■ 0.0000, 0.0000,
1.0288

■ 70.4704, 75.5866,
104.7789

■ 0.0000, 0.0000,
0.0000

■ 92.5855, 99.1415,
134.6925

118.9019,

127.1424, 169.8180

149.7848,
159.9740, 210.5739

■ 10.1254, 11.0515,
18.7390

■ 10.1254, 11.0515,
18.7390

■ 8.8323, 9.6480,
18.5364

■ 11.6251, 12.6169,
18.9623

■ 7.7342, 8.3985,
18.3531

■ 13.3400, 14.3490,
19.2062

■ 6.8200, 7.2964,
18.1886

■ 15.2795, 16.2539,
19.4717

■ 6.0769, 6.3338,
18.0420

■ 17.4520, 18.3371,
19.7593

■ 5.4902, 5.5019,
17.9123

■ 19.8656, 20.6037,
20.0696

■ 5.0154, 4.7765,
17.7973

■ 22.5279, 23.0586,
20.4031

■ 4.9692, 4.7064,
17.7862

■ 25.4461, 25.7067,
20.7604

■ 28.6273, 28.5523,
21.1420

■ 32.0781, 31.5998,
21.5484

Harmonies

Analogous

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



9.2251, 11.0515, 17.0229



10.1254, 11.0515, 18.7390



11.1892, 11.0515, 18.4443

Triad

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



10.1254, 11.0515, 18.7390



12.5530, 11.0515, 10.2127



9.0335, 11.0515, 8.6011

Complementary

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



10.1254, 11.0515, 18.7390



12.6438, 12.3251, 7.8439

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.



9.8476, 11.0515, 7.3121



10.1254, 11.0515, 18.7390



11.8962, 11.0515, 8.1284

Square

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



10.1254, 11.0515, 18.7390



12.6399, 11.0515, 13.1649



10.8922, 11.0515, 7.1550



8.6236, 11.0515, 10.9683

Rectangle

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



10.1254, 11.0515, 18.7390



11.8475, 11.0515, 17.1591



10.8922, 11.0515, 7.1550



9.2663, 11.0515, 8.0456

Sweetspot

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



10.1258, 11.0519, 18.7393



25.6901, 27.4340, 34.0783



11.1477, 15.1334, 12.7985



5.8320, 6.2345, 7.8250



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.



10.1258, 11.0519, 18.7393



15.7012, 17.1540, 32.6205



8.3606, 7.5216, 18.1509



3.6440, 3.8766, 4.6464



5.3633, 5.0664, 19.2378



25.2737, 22.9640, 93.4607

Inverse Universe

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



11.9002, 9.3312, 12.2407



19.3923, 13.9931, 19.0088



14.9405, 16.9183, 8.6094



3.7563, 3.7298, 4.2435



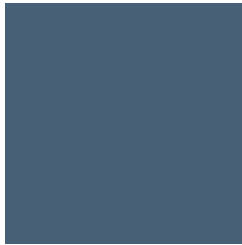
9.0043, 4.5354, 5.2308



43.4437, 21.9276, 23.1979

Previews

White Background



This preview shows how the XYZ color 10.1254, 11.0515, 18.7390 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 10.1254, 11.0515, 18.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

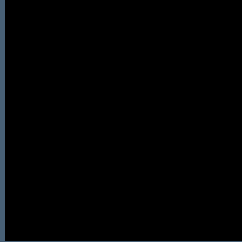
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

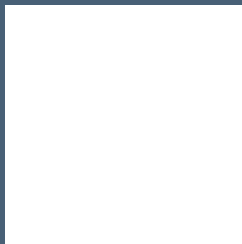
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1254, 11.0515, 18.7390

Background



This preview shows how black text looks on a background with the XYZ color 10.1254, 11.0515, 18.7390.

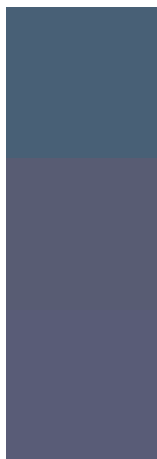


This preview shows how white text looks on a background with the XYZ color 10.1254, 11.0515,

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

10.1254, 11.0515, 18.7390

Protanopia

10.9462, 10.9668, 17.7595

Deuteranopia

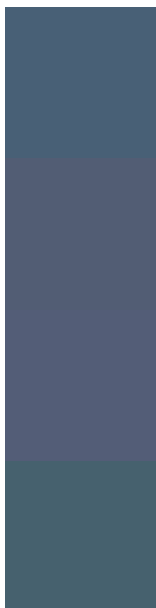
11.2767, 11.1100, 19.0029



Tritanopia

9.4234, 11.0412, 15.2702

Trichromacy



Original Color

10.1254, 11.0515, 18.7390

Protanomaly

10.5464, 10.8835, 18.0679

Deuteranomaly

10.8114, 10.9996, 19.0061

Tritanomaly

9.6150, 10.9773, 16.3639

Monochromacy



Original Color

10.1254, 11.0515, 18.7390

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.9195, 10.6531, 13.8454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1254, 11.0515, 18.7390 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(72, 96, 118)` looks like.

```
.text, #text, p{  
    color:rgb(72, 96, 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(72, 96, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 96, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.1254, 11.0515, 18.7390 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(72, 96, 118) }
```


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

```
.border{ border-color:rgb(72, 96, 118) }
```

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

Here you see how a box with a 4 pixel rgb(72, 96, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 96, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 96, 118);  
box-shadow:4px 4px 4px 4px rgb(72, 96,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1254, 11.0515, 18.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 96, 118) }
```

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

```
.background{ background-color: rgb(72, 96,  
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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