

Converting Colors

XYZ(10.9683, 12.7883, 18.4897)

Have a look what the booklet for
XYZ(10.9683, 12.7883, 18.4897)
contains.

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Color

**XYZ(10.9516, 12.7806,
18.4127)**

Conversions

Conversions Part 1

Format	Color
Hex	496974
RGB	73, 105, 116
RGB Percent	29%, 41%, 45%
CMY	0.7137, 0.5882, 0.5451
CMYK	0.37, 0.09, 0.00, 0.55
HSL	195°, 23%, 37%
HSV	195°, 37%, 45%
XYZ	10.9516, 12.7806, 18.4127
YIQ	96.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

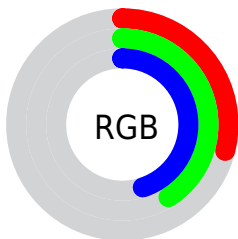
Format	Color
R_{YB}	73, 91, 116
Decimal	4811124
CIE Lab	42.43, -8.55, -9.86
CIE LCh	42, 13.049, 229.049
Yxy	12.7806, 0.2599, 0.3033
Android (android.graphics.Color)	4283001204 (0xFF496974)
YUV	96.6860, 9.5218, -20.7726
Hunter-Lab	35.7500, -7.8810, -5.5118

Details

The XYZ color **10.9516, 12.7806, 18.4127** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5755, 10.5347, 7.7269**, and the grayscale version is **11.2670, 11.8538, 12.9088**.

A 20% lighter version of the original color is **27.1247, 30.8150, 41.5641**, and **2.9573, 3.6501, 6.0175** is the 20% darker color. If you saturate the color by 10%, you get **9.8565, 11.7755, 18.2766**, and if you desaturate by 10%, it is **12.2220, 13.8923, 18.5605**.

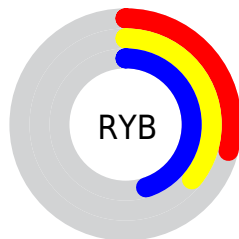
Distribution



Red (29%)

Green (41%)

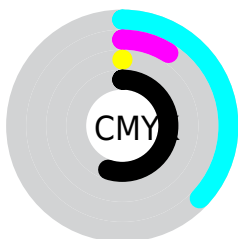
Blue (45%)



Red (29%)

Yellow (36%)

Blue (45%)

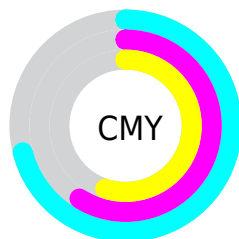


Cyan (37%)

Magenta (9%)

Yellow (0%)

Black (55%)



Cyan (71%)

Magenta (59%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9516, 12.7806, 18.4127 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 10.9516, 12.7806, 18.4127 by changing the saturation by 10% instead.

■ 10.9516, 12.7806,
18.4127

■ 10.9516, 12.7806,
18.4127

191.2503,
209.5067, 255.5008

■ 6.1014, 7.2776,
11.0742

■ 27.2044, 30.9091,
41.5627

■ 2.9481, 3.6363,
6.0020

■ 39.3376, 44.3033,
58.2113

■ 1.1264, 1.4723,
2.7775

■ 54.6292, 61.0969,
78.8003

■ 0.0470, 0.2691,
0.9822

■ 73.4446, 81.6740,
103.7483

■ 0.0000, 0.0000,
0.0000

■ 96.1490, 106.4192,
133.4738

123.1079,

135.7168, 168.3954

154.6865,
169.9511, 208.9315

■ 10.9516, 12.7806,
18.4127

■ 10.9516, 12.7806,
18.4127

■ 9.8565, 11.7755,
18.2766

■ 12.2220, 13.8923,
18.5605

■ 8.9263, 10.8706,
18.1510

■ 13.6750, 15.1137,
18.7197

■ 8.1513, 10.0611,
18.0356

■ 15.3191, 16.4496,
18.8909

■ 7.5201, 9.3408,
17.9298

■ 17.1617, 17.9038,
19.0745

■ 7.0197, 8.7030,
17.8331

■ 19.2097, 19.4804,
19.2709

■ 6.6194, 8.1317,
17.7439

■ 21.4701, 21.1827,
19.4803

■ 6.5066, 7.9693,
17.7185

■ 23.9490, 23.0143,
19.7032

■ 26.6528, 24.9784,
19.9398

■ 29.5871, 27.0783,
20.1905

Harmonies

Analogous

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



10.4488, 12.7806, 15.7565



10.9516, 12.7806, 18.4127



11.7924, 12.7806, 19.9288

Triad

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



10.9516, 12.7806, 18.4127



14.0973, 12.7806, 14.9686



11.5417, 12.7806, 9.4047

Complementary

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



10.9516, 12.7806, 18.4127



11.5755, 10.5347, 7.7269

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.



12.5098, 12.7806, 9.2533



10.9516, 12.7806, 18.4127



14.0212, 12.7806, 12.2245

Square

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



10.9516, 12.7806, 18.4127



13.6302, 12.7806, 17.7695



13.4276, 12.7806, 10.2182



10.7766, 12.7806, 10.6641

Rectangle

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



10.9516, 12.7806, 18.4127



12.4470, 12.7806, 19.9684



13.4276, 12.7806, 10.2182



11.8530, 12.7806, 9.2296

Sweetspot

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



10.9520, 12.7811, 18.4130



25.6694, 27.9014, 33.0771



10.5837, 14.5437, 10.5859



6.0522, 6.5981, 7.8836



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.



10.9520, 12.7811, 18.4130



17.6787, 21.0302, 32.1720



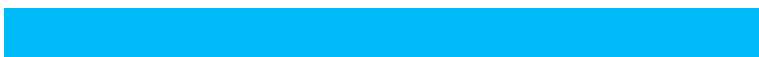
9.0512, 8.9796, 17.7794



3.7078, 4.0043, 4.6677



7.2867, 8.9130, 19.8789



34.7943, 42.0052, 96.6342

Inverse Universe

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



12.1351, 9.4983, 14.5590



20.1201, 14.6144, 24.1387



13.4824, 14.3485, 8.3625



3.7885, 3.7427, 4.4133



9.9751, 4.9238, 10.3430



48.2493, 23.8498, 48.5036

Previews

White Background



This preview shows how the XYZ color 10.9516, 12.7806, 18.4127 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 10.9516, 12.7806, 18.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

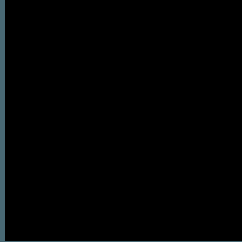
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9516, 12.7806, 18.4127

Background



This preview shows how black text looks on a background with the XYZ color 10.9516, 12.7806, 18.4127.



This preview shows how white text looks on a background with the XYZ color 10.9516, 12.7806,

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

10.9516, 12.7806, 18.4127

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

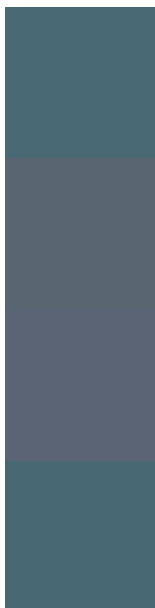
12.9115, 12.6241, 18.8957



Tritanopia

10.7613, 12.6958, 17.8029

Trichromacy



Original Color

10.9516, 12.7806, 18.4127

Protanomaly

11.7541, 12.6235, 17.4398

Deuteranomaly

12.0824, 12.6228, 18.6293

Tritanomaly

10.8186, 12.7187, 18.1044

Monochromacy



Original Color

10.9516, 12.7806, 18.4127

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.0804, 12.1885, 14.8653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9516, 12.7806, 18.4127 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(73, 105, 116)` looks like.

```
.text, #text, p{  
    color:rgb(73, 105, 116)  
}
```

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(73, 105, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 105, 116) }
```

Border

The CSS property to change the border of an element to XYZ 10.9516, 12.7806, 18.4127 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(73, 105, 116) }
```


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

```
.border{ border-color:rgb(73, 105, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 105, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 105, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 105, 116);  
box-shadow:4px 4px 4px 4px rgb(73, 105,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9516, 12.7806, 18.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 105, 116) }
```

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

```
.background{ background-color: rgb(73, 105,  
116) }
```

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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