

Converting Colors

XYZ(10.1837, 14.8848, 16.3458)

Have a look what the booklet for
XYZ(10.1837, 14.8848, 16.3458)
contains.

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Color

**XYZ(10.1696, 14.9065,
16.2512)**

Conversions

Conversions Part 1

Format	Color
Hex	26786B
RGB	38, 120, 107
RGB Percent	15%, 47%, 42%
CMY	0.8510, 0.5294, 0.5804
CMYK	0.68, 0.00, 0.11, 0.53
HSL	170°, 52%, 31%
HSV	170°, 68%, 47%
XYZ	10.1696, 14.9065, 16.2512
YIQ	94.0000, -44.6990, -21.4270

Conversions

Conversions Part 2

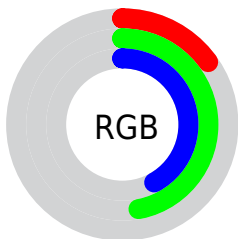
Format	Color
R_{YB}	38, 83, 120
Decimal	2521195
CIE _{Lab}	45.51, -27.74, -0.04
CIE _{LCh}	46, 27.742, 180.092
Yxy	14.9065, 0.2461, 0.3607
Android (android.graphics.Color)	4280711275 (0xFF26786B)
YUV	94.0000, 6.4090, -49.1120
Hunter-Lab	38.6089, -20.5487, 2.0700

Details

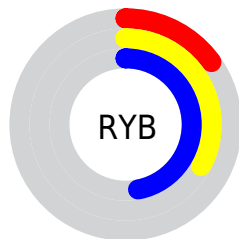
The XYZ color **10.1696, 14.9065, 16.2512** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.0368, 5.6187, 3.7406**, and the grayscale version is **10.6326, 11.1863, 12.1819**.

A 20% lighter version of the original color is **25.7312, 34.7354, 37.6962**, and **3.0688, 4.8327, 5.0460** is the 20% darker color. If you saturate the color by 10%, you get **9.6976, 14.6750, 15.7126**, and if you desaturate by 10%, it is **10.7874, 15.2136, 16.8088**.

Distribution



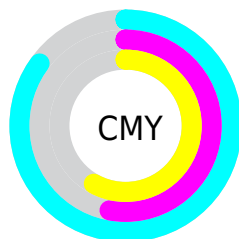
- Red (15%)
- Green (47%)
- Blue (42%)



- Red (15%)
- Yellow (33%)
- Blue (47%)



- Cyan (68%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)



- Cyan (85%)
- Magenta (53%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1696, 14.9065, 16.2512 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 10.1696, 14.9065, 16.2512 by changing the saturation by 10% instead.

10.1696, 14.9065,
16.2512

10.1696, 14.9065,
16.2512

185.9067,
222.7996, 242.7156

5.5747, 8.7538,
9.5458

25.7608, 34.6891,
37.8066

2.6264, 4.5809,
4.9972

37.4878, 49.0877,
53.4937

0.9594, 2.0036,
2.1869

52.3229, 67.0038,
73.0117

0.0000, 0.6095,
0.6668

70.6314, 88.8217,
96.7793

0.0000, 0.0000,
0.0000

92.7786, 114.9259,
125.2149

119.1301,

145.7006, 158.7372

150.0510,
181.5304, 197.7645

■ 10.1696, 14.9065,
16.2512

■ 10.1696, 14.9065,
16.2512

■ 9.6976, 14.6750,
15.7126

■ 10.7874, 15.2136,
16.8088

■ 9.3559, 14.5100,
15.1912

■ 11.5621, 15.6011,
17.3850

■ 9.1051, 14.3917,
14.6854

■ 12.5053, 16.0751,
17.9807

■ 9.0645, 14.3725,
14.6021

■ 13.6270, 16.6409,
18.5965

■ 14.9365, 17.3032,
19.2328

■ 16.4424, 18.0666,
19.8903

■ 18.1529, 18.9351,
20.5692

■ 20.0755, 19.9127,
21.2700

■ 22.2175, 21.0032,
21.9931

Harmonies

Analogous

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



10.6519, 14.9065, 10.6718



10.1696, 14.9065, 16.2512



10.6578, 14.9065, 23.4919

Triad

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



10.1696, 14.9065, 16.2512



16.5173, 14.9065, 29.9347



16.5036, 14.9065, 7.5035

Complementary

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



10.1696, 14.9065, 16.2512



9.0368, 5.6187, 3.7406

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.



18.3754, 14.9065, 10.6449



10.1696, 14.9065, 16.2512



18.3839, 14.9065, 23.4464

Square

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



10.1696, 14.9065, 16.2512



14.1754, 14.9065, 32.5917



19.0976, 14.9065, 16.2101



14.1610, 14.9065, 6.5343

Rectangle

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



10.1696, 14.9065, 16.2512



11.5020, 14.9065, 28.0938



19.0976, 14.9065, 16.2101



17.2175, 14.9065, 8.2891

Sweetspot

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



10.1700, 14.9071, 16.2516



25.7439, 30.1661, 33.5814



8.4658, 14.2947, 4.1469



5.9738, 7.0847, 7.8978



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.1700, 14.9071, 16.2516



16.6882, 25.6315, 27.1104



8.0751, 9.5389, 19.1855



4.0811, 4.5020, 4.9608



9.8843, 15.6774, 15.9073



46.8892, 74.6787, 74.5116

Inverse Universe

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



9.0368, 5.6187, 3.7406



14.5767, 8.0688, 3.6095



10.0055, 7.9524, 2.8416



4.0218, 4.0245, 4.3127



8.5747, 4.4060, 1.0515



40.6915, 20.9329, 3.9055

Previews

White Background



This preview shows how the XYZ color 10.1696, 14.9065, 16.2512 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 10.1696, 14.9065, 16.2512 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 10.1696, 14.9065, 16.2512

Background



This preview shows how black text looks on a background with the XYZ color 10.1696, 14.9065, 16.2512.

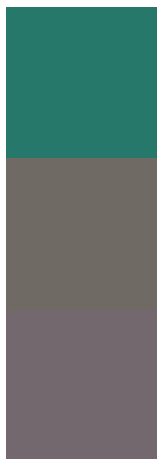


This preview shows how white text looks on a background with the XYZ color 10.1696, 14.9065,

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

10.1696, 14.9065, 16.2512

Protanopia

14.1135, 14.8150, 14.1723

Deuteranopia

15.0220, 14.7613, 17.0964



Tritanopia

11.4110, 14.8833, 22.3500

Trichromacy



Original Color

10.1696, 14.9065, 16.2512

Protanomaly

11.8985, 14.4524, 14.9944

Deuteranomaly

12.4149, 14.3524, 16.8678

Tritanomaly

10.9073, 14.8484, 20.0605

Monochromacy



Original Color

10.1696, 14.9065, 16.2512

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9264, 12.0572, 13.6085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1696, 14.9065, 16.2512 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(38, 120, 107)` looks like.

```
.text, #text, p{  
  color:rgb(38, 120, 107)  
}
```

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(38, 120, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 120, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.1696, 14.9065, 16.2512 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(38, 120, 107) }
```


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

```
.border{ border-color:rgb(38, 120, 107) }
```

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

Here you see how a box with a 4 pixel rgb(38, 120, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 120, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 120, 107);  
box-shadow:4px 4px 4px 4px rgb(38, 120,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1696, 14.9065, 16.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 120, 107) }
```

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

```
.background{ background-color: rgb(38, 120,  
107) }
```

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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