

Converting Colors

XYZ(10.1502, 14.5289, 16.8443)

Have a look what the booklet for
XYZ(10.1502, 14.5289, 16.8443)
contains.

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Color

**XYZ(10.1138, 14.5121,
16.7361)**

Conversions

Conversions Part 1

Format	Color
Hex	28766D
RGB	40, 118, 109
RGB Percent	16%, 46%, 43%
CMY	0.8431, 0.5372, 0.5725
CMYK	0.66, 0.00, 0.08, 0.54
HSL	173°, 49%, 31%
HSV	173°, 66%, 46%
XYZ	10.1138, 14.5121, 16.7361
YIQ	93.6520, -43.5990, -19.3350

Conversions

Conversions Part 2

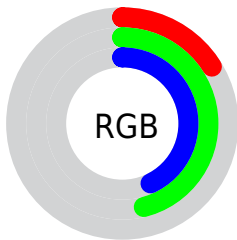
Format	Color
R_{YB}	40, 81, 118
Decimal	2651757
CIE _{Lab}	44.96, -25.82, -2.03
CIE _{LCh}	45, 25.898, 184.503
Yxy	14.5121, 0.2445, 0.3509
Android (android.graphics.Color)	4280841837 (0xFF28766D)
YUV	93.6520, 7.5666, -47.0528
Hunter-Lab	38.0948, -19.2757, 0.6186

Details

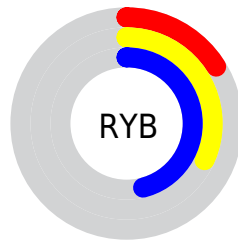
The XYZ color **10.1138, 14.5121, 16.7361** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.7848, 5.5912, 3.5223**, and the grayscale version is **10.5477, 11.0970, 12.0847**.

A 20% lighter version of the original color is **25.7319, 34.1507, 38.4932**, and **2.9976, 4.6040, 5.2881** is the 20% darker color. If you saturate the color by 10%, you get **9.6507, 14.2821, 16.3350**, and if you desaturate by 10%, it is **10.7190, 14.8159, 17.1504**.

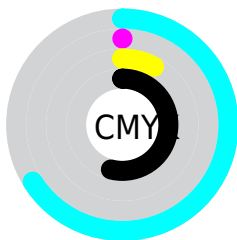
Distribution



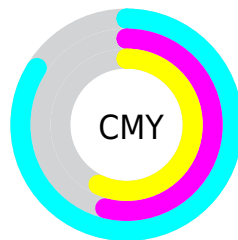
- Red (16%)
- Green (46%)
- Blue (43%)



- Red (16%)
- Yellow (32%)
- Blue (46%)



- Cyan (66%)
- Magenta (0%)
- Yellow (8%)
- Black (54%)



- Cyan (84%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1138, 14.5121, 16.7361 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 10.1138, 14.5121, 16.7361 by changing the saturation by 10% instead.

10.1138, 14.5121,
16.7361

10.1138, 14.5121,
16.7361

185.5191,
220.3938, 245.6392

5.5373, 8.4777,
9.8866

25.6571, 33.9950,
38.6559

2.6038, 4.4021,
5.2192

37.3546, 48.2122,
54.5632

0.9479, 1.9009,
2.3155

52.1564, 65.9258,
74.3269

0.0000, 0.5489,
0.7399

70.4281, 87.5202,
98.3654

0.0000, 0.0000,
0.0000

92.5348, 113.3799,
127.0974

118.8419,

143.8891, 160.9413

149.7149,
179.4322, 200.3158

■ 10.1138, 14.5121,
16.7361

■ 10.1138, 14.5121,
16.7361

■ 9.6507, 14.2821,
16.3350

■ 10.7190, 14.8159,
17.1504

■ 9.3153, 14.1175,
15.9455

■ 11.4766, 15.1978,
17.5775

■ 9.0818, 14.0052,
15.5666

■ 12.3975, 15.6637,
18.0182

■ 8.9970, 13.9647,
15.4207

■ 13.4910, 16.2185,
18.4730

■ 14.7660, 16.8667,
18.9424

■ 16.2305, 17.6125,
19.4266

■ 17.8923, 18.4599,
19.9262

■ 19.7585, 19.4125,
20.4414

■ 21.8361, 20.4739,
20.9727

Harmonies

Analogous

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



10.4298, 14.5121, 11.2876



10.1138, 14.5121, 16.7361



10.6978, 14.5121, 23.3841

Triad

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



10.1138, 14.5121, 16.7361



16.2350, 14.5121, 27.5142



15.6245, 14.5121, 7.4292

Complementary

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



10.1138, 14.5121, 16.7361



8.7848, 5.5912, 3.5223

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.



17.4348, 14.5121, 10.0653



10.1138, 14.5121, 16.7361



17.8118, 14.5121, 21.3815

Square

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



10.1138, 14.5121, 16.7361



14.1160, 14.5121, 30.5404



18.2719, 14.5121, 14.9018



13.4756, 14.5121, 6.7829

Rectangle

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



10.1138, 14.5121, 16.7361



11.5580, 14.5121, 27.3463



18.2719, 14.5121, 14.9018



16.2997, 14.5121, 8.0717

Sweetspot

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



10.1142, 14.5127, 16.7364



24.9364, 29.1342, 32.9396



8.1333, 13.7661, 4.2362



5.6210, 6.6414, 7.5318



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.



10.1142, 14.5127, 16.7364



16.6549, 24.9572, 28.3854



7.6434, 8.7555, 18.4273



3.7660, 4.1484, 4.6016



9.7302, 15.1061, 16.6672



47.2140, 73.5328, 80.1548

Inverse Universe

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



8.7848, 5.5912, 3.5223



14.1516, 8.0102, 3.3931



10.0386, 8.3730, 3.0948



3.6996, 3.7071, 3.9447



8.1629, 4.1989, 0.8001



39.6083, 20.3934, 3.0007

Previews

White Background



This preview shows how the XYZ color 10.1138, 14.5121, 16.7361 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 10.1138, 14.5121, 16.7361 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 10.1138, 14.5121, 16.7361

Background



This preview shows how black text looks on a background with the XYZ color 10.1138, 14.5121, 16.7361.



This preview shows how white text looks on a background with the XYZ color 10.1138, 14.5121,

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

10.1138, 14.5121, 16.7361

Protanopia

13.7565, 14.3137, 14.6081

Deuteranopia

14.5849, 14.3811, 17.3363



Tritanopia

11.1660, 14.5998, 21.6316

Trichromacy



Original Color

10.1138, 14.5121, 16.7361

Protanomaly

11.7819, 14.0566, 15.4568

Deuteranomaly

12.0696, 13.8513, 17.0764

Tritanomaly

10.7733, 14.6124, 19.7054

Monochromacy



Original Color

10.1138, 14.5121, 16.7361

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 10.1138, 14.5121, 16.7361 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(40, 118, 109)` looks like.

```
.text, #text, p{  
    color:rgb(40, 118, 109)  
}
```

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(40, 118, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 118, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.1138, 14.5121, 16.7361 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(40, 118, 109) }
```


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

```
.border{ border-color:rgb(40, 118, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 118, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 118, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 118, 109);  
box-shadow:4px 4px 4px 4px rgb(40, 118,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1138, 14.5121, 16.7361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 118, 109) }
```

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

```
.background{ background-color: rgb(40, 118,  
109) }
```

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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