

Converting Colors

XYZ(10.1240, 15.0218, 13.5170)

Have a look what the booklet for
XYZ(10.1240, 15.0218, 13.5170)
contains.

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Color

**XYZ(10.0467, 14.9058,
13.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	307860
RGB	48, 120, 96
RGB Percent	19%, 47%, 38%
CMY	0.8118, 0.5294, 0.6235
CMYK	0.60, 0.00, 0.20, 0.53
HSL	160°, 43%, 33%
HSV	160°, 60%, 47%
XYZ	10.0467, 14.9058, 13.4139
YIQ	95.7360, -35.2080, -22.7280

Conversions

Conversions Part 2

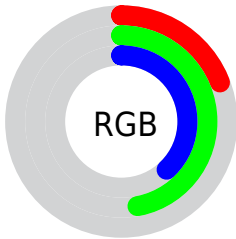
Format	Color
R_{YB}	48, 91, 120
Decimal	3176544
CIE _{Lab}	45.50, -28.70, 6.53
CIE _{LCh}	46, 29.431, 167.188
Yxy	14.9058, 0.2619, 0.3885
Android (android.graphics.Color)	4281366624 (0xFF307860)
YUV	95.7360, 0.1302, -41.8645
Hunter-Lab	38.6080, -21.1142, 6.4260

Details

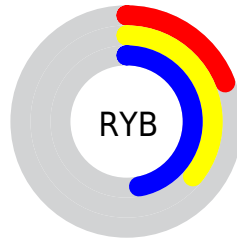
The XYZ color **10.0467, 14.9058, 13.4139** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.9729, 6.5752, 6.8750**, and the grayscale version is **11.0604, 11.6364, 12.6721**.

A 20% lighter version of the original color is **25.4987, 34.7292, 32.5536**, and **2.8290, 4.7368, 3.7828** is the 20% darker color. If you saturate the color by 10%, you get **9.3761, 14.5812, 12.4457**, and if you desaturate by 10%, it is **10.8807, 15.3143, 14.4394**.

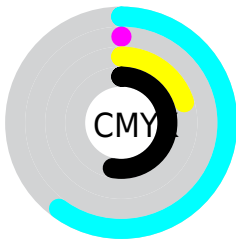
Distribution



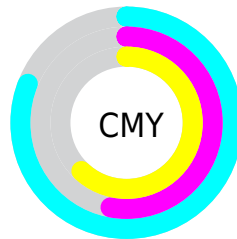
- Red (19%)
- Green (47%)
- Blue (38%)



- Red (19%)
- Yellow (36%)
- Blue (47%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (53%)



- Cyan (81%)
- Magenta (53%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0467, 14.9058, 13.4139 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 10.0467, 14.9058, 13.4139 by changing the saturation by 10% instead.

10.0467, 14.9058,
13.4139

10.0467, 14.9058,
13.4139

185.0517,
222.7953, 224.8537

5.4924, 8.7533,
7.5801

25.5322, 34.6878,
32.7474

2.5767, 4.5806,
3.7436

37.1941, 49.0862,
47.0842

0.9341, 2.0034,
1.4857

51.9560, 67.0019,
65.0924

0.0000, 0.6094,
0.2073

70.1831, 88.8194,
87.1906

0.0000, 0.0000,
0.0000

92.2409, 114.9231,
113.7973

118.4947,

145.6974, 145.3310

149.3098,
181.5267, 182.2103

■ 10.0467, 14.9058,
13.4139

■ 10.0467, 14.9058,
13.4139

■ 9.3761, 14.5812,
12.4457

■ 10.8807, 15.3143,
14.4394

■ 8.8549, 14.3322,
11.5323

■ 11.8882, 15.8107,
15.5223

■ 8.4686, 14.1517,
10.6727

■ 13.0800, 16.4011,
16.6642

■ 8.1647, 14.0126,
9.8638

■ 14.4657, 17.0903,
17.8661

■ 8.1646, 14.0126,
9.8637

■ 16.0540, 17.8828,
19.1293

■ 17.8533, 18.7829,
20.4546

■ 19.8713, 19.7946,
21.8431

■ 22.1155, 20.9217,
23.2958

■ 24.5929, 22.1678,
24.8136

Harmonies

Analogous

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



10.9804, 14.9058, 8.6696



10.0467, 14.9058, 13.4139



10.1210, 14.9058, 20.5595

Triad

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



10.0467, 14.9058, 13.4139



15.6080, 14.9058, 32.8648



17.6221, 14.9058, 8.1982

Complementary

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



10.0467, 14.9058, 13.4139



9.9729, 6.5752, 6.8750

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.



19.1701, 14.9058, 12.5553



10.0467, 14.9058, 13.4139



17.9184, 14.9058, 27.2544

Square

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



10.0467, 14.9058, 13.4139



13.1467, 14.9058, 33.2941



19.2844, 14.9058, 19.4147



15.2398, 14.9058, 6.2975

Rectangle

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



10.0467, 14.9058, 13.4139



10.7312, 14.9058, 25.8443



19.2844, 14.9058, 19.4147



18.2687, 14.9058, 9.3557

Sweetspot

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



10.0471, 14.9064, 13.4142



25.8530, 30.2627, 31.7612



10.0133, 15.0712, 5.1779



5.9759, 7.0967, 7.4022



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.



10.0471, 14.9064, 13.4142



16.1156, 25.4650, 21.2728



10.0995, 12.9650, 19.7401



4.0529, 4.4908, 4.8126



8.9002, 15.2837, 10.7250



42.0474, 72.7420, 49.0150

Inverse Universe

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



9.9729, 6.5752, 6.8750



15.9885, 9.3838, 8.7311



9.8334, 7.3143, 3.6901



4.0483, 4.0351, 4.4521



8.8619, 4.5209, 2.5635



41.9143, 21.4221, 10.3449

Previews

White Background



This preview shows how the XYZ color 10.0467, 14.9058, 13.4139 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 10.0467, 14.9058, 13.4139 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 10.0467, 14.9058, 13.4139

Background



This preview shows how black text looks on a background with the XYZ color 10.0467, 14.9058, 13.4139.



This preview shows how white text looks on a background with the XYZ color 10.0467, 14.9058,

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

10.0467, 14.9058, 13.4139

Protanopia

13.8709, 14.7474, 11.5666

Deuteranopia

14.8962, 14.6137, 14.0922



Tritanopia

11.6920, 14.8710, 21.6562

Trichromacy



Original Color

10.0467, 14.9058, 13.4139

Protanomaly

11.8458, 14.4849, 12.2967

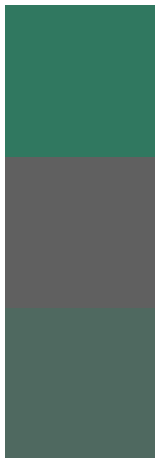
Deuteranomaly

12.3369, 14.2178, 13.8985

Tritanomaly

10.9199, 14.7218, 18.1856

Monochromacy



Original Color

10.0467, 14.9058, 13.4139

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.3873, 12.6099, 12.9528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0467, 14.9058, 13.4139 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(48, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(48, 120, 96)  
}
```

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(48, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 120, 96) }
```

Border

The CSS property to change the border of an element to XYZ 10.0467, 14.9058, 13.4139 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(48, 120, 96) }
```


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

```
.border{ border-color:rgb(48, 120, 96) }
```

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

Here you see how a box with a 4 pixel rgb(48, 120, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(48, 120,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0467, 14.9058, 13.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 120, 96) }
```

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

```
.background{ background-color: rgb(48, 120,  
96) }
```

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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