

Converting Colors

XYZ(10.1054, 15.6545, 14.0443)

Have a look what the booklet for
XYZ(10.1054, 15.6545, 14.0443)
contains.

XYZ(10.1054, 15.6545, 14.0443)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.1054, 15.6545,
14.0443)**

Conversions

Conversions Part 1

Format	Color
Hex	237C62
RGB	35, 124, 98
RGB Percent	14%, 49%, 38%
CMY	0.8627, 0.5137, 0.6157
CMYK	0.72, 0.00, 0.21, 0.51
HSL	162°, 56%, 31%
HSV	162°, 72%, 49%
XYZ	10.1054, 15.6545, 14.0443
YIQ	94.4250, -44.6980, -26.9540

Conversions

Conversions Part 2

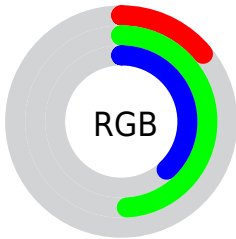
Format	Color
RYB	35, 87, 124
Decimal	2325602
CIELab	46.52, -32.60, 6.74
CIELCh	47, 33.294, 168.324
Yxy	15.6545, 0.2539, 0.3933
Android (android.graphics.Color)	4280515682 (0xFF237C62)
YUV	94.4250, 1.7625, -52.1157
Hunter-Lab	39.5658, -23.6498, 6.6504

Details

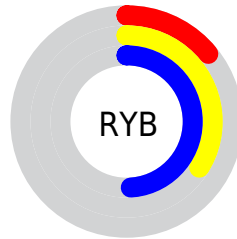
The XYZ color **10.1054, 15.6545, 14.0443** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7560, 5.8245, 5.0255**, and the grayscale version is **10.7440, 11.3036, 12.3096**.

A 20% lighter version of the original color is **25.6612, 35.9414, 34.0187**, and **3.0686, 5.1455, 4.0803** is the 20% darker color. If you saturate the color by 10%, you get **9.5897, 15.4083, 13.1476**, and if you desaturate by 10%, it is **10.7786, 15.9817, 14.9895**.

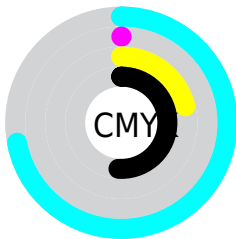
Distribution



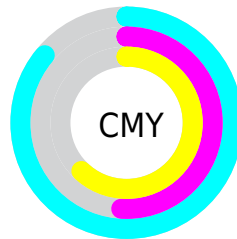
- Red (14%)
- Green (49%)
- Blue (38%)



- Red (14%)
- Yellow (34%)
- Blue (49%)



- Cyan (72%)
- Magenta (0%)
- Yellow (21%)
- Black (51%)





- Cyan (86%)
- Magenta (51%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1054, 15.6545, 14.0443 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 10.1054, 15.6545, 14.0443 by changing the saturation by 10% instead.


 10.1054, 15.6545,
14.0443


 10.1054, 15.6545,
14.0443


185.4606,
227.2943, 228.9443


 5.5317, 9.2800,
8.0124


 25.6414, 35.9974,
33.8859


 2.6004, 4.9243,
4.0150

 37.3345, 50.7345,
48.5326


 0.9462, 2.2029,
1.6336

 52.1314, 69.0280,
66.8880

 0.0000, 0.7216,
0.3146

 70.3974, 91.2622,
89.3706

 0.0000, 0.0000,
0.0000

 92.4980, 117.8215,
116.3991

 118.7985,

149.0904, 148.3918

149.6643,
185.4532, 185.7673

■ 10.1054, 15.6545,
14.0443

■ 10.1054, 15.6545,
14.0443

■ 9.5897, 15.4083,
13.1476

■ 10.7786, 15.9817,
14.9895

■ 9.2134, 15.2328,
12.2970

■ 11.6221, 16.3954,
15.9832

■ 8.9601, 15.1167,
11.6293

■ 12.6489, 16.9027,
17.0270

■ 13.8705, 17.5095,
18.1219

■ 15.2972, 18.2211,
19.2688

■ 16.9387, 19.0425,
20.4687

■ 18.8041, 19.9783,
21.7224

■ 20.9018, 21.0329,
23.0310

■ 23.2399, 22.2105,
24.3950

Harmonies

Analogous

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



11.1283, 15.6545, 8.5523



10.1054, 15.6545, 14.0443



10.2338, 15.6545, 22.5085

Triad

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



10.1054, 15.6545, 14.0443



16.6812, 15.6545, 36.8647



18.8556, 15.6545, 7.7603

Complementary

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



10.1054, 15.6545, 14.0443



9.7560, 5.8245, 5.0255

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.



20.7525, 15.6545, 12.5461



10.1054, 15.6545, 14.0443



19.3902, 15.6545, 29.8516

Square

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



10.1054, 15.6545, 14.0443



13.7907, 15.6545, 37.6632



20.9598, 15.6545, 20.4455



16.0234, 15.6545, 5.7844

Rectangle

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



10.1054, 15.6545, 14.0443



10.9584, 15.6545, 28.8351



20.9598, 15.6545, 20.4455



19.6386, 15.6545, 9.0070

Sweetspot

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



10.1058, 15.6551, 14.0447



26.7173, 31.9632, 33.7527



9.4794, 15.5518, 4.0925



6.1578, 7.4606, 7.8444



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.1058, 15.6551, 14.0447



16.4332, 26.9068, 22.1881



9.5064, 12.1625, 20.9161



4.0595, 4.4934, 4.8473



9.1073, 15.3666, 11.8157



43.0579, 73.1462, 54.3365

Inverse Universe

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



9.7560, 5.8245, 5.0255



15.8170, 8.4908, 5.4865



9.8801, 6.9349, 2.4082



4.0420, 4.0325, 4.4190



8.7763, 4.4867, 2.1132



41.5358, 21.2707, 8.3515

Previews

White Background



This preview shows how the XYZ color 10.1054, 15.6545, 14.0443 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 10.1054, 15.6545, 14.0443 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 10.1054, 15.6545, 14.0443

Background



This preview shows how black text looks on a background with the XYZ color 10.1054, 15.6545, 14.0443.



This preview shows how white text looks on a background with the XYZ color 10.1054, 15.6545,

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

10.1054, 15.6545, 14.0443

Protanopia

14.5594, 15.4056, 12.1037

Deuteranopia

15.7207, 15.4783, 14.7294



Tritanopia

11.9943, 15.6960, 23.1663

Trichromacy



Original Color

10.1054, 15.6545, 14.0443

Protanomaly

11.9682, 14.8690, 12.8289

Deuteranomaly

12.5685, 14.9740, 14.5398

Tritanomaly

11.1896, 15.5406, 19.5494

Monochromacy



Original Color

10.1054, 15.6545, 14.0443

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.8648, 12.3458, 12.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1054, 15.6545, 14.0443 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(35, 124, 98)` looks like.

```
.text, #text, p{  
    color:rgb(35, 124, 98)  
}
```

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(35, 124, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 124, 98) }
```

Border

The CSS property to change the border of an element to XYZ 10.1054, 15.6545, 14.0443 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(35, 124, 98) }
```


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

```
.border{ border-color:rgb(35, 124, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 124, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 124, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 124, 98);  
box-shadow:4px 4px 4px 4px rgb(35, 124,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1054, 15.6545, 14.0443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 124, 98) }
```

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

```
.background{ background-color: rgb(35, 124,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor