

Converting Colors

XYZ(12.3601, 15.0405, 17.8198)

Have a look what the booklet for
XYZ(12.3601, 15.0405, 17.8198)
contains.

XYZ(12.3062, 14.9324, 17.8564)	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(12.3062, 14.9324,
17.8564)**

Conversions

Conversions Part 1

Format	Color
Hex	507271
RGB	80, 114, 113
RGB Percent	31%, 45%, 44%
CMY	0.6863, 0.5529, 0.5569
CMYK	0.30, 0.00, 0.01, 0.55
HSL	178°, 18%, 38%
HSV	178°, 30%, 45%
XYZ	12.3062, 14.9324, 17.8564
YIQ	103.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

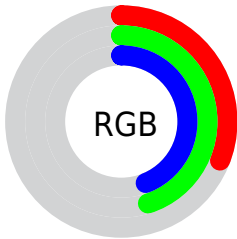
Format	Color
RYB	80, 97, 114
Decimal	5272177
CIELab	45.54, -12.32, -3.37
CIELCh	46, 12.769, 195.291
Yxy	14.9324, 0.2729, 0.3311
Android (android.graphics.Color)	4283462257 (0xFF507271)
YUV	103.7200, 4.5750, -20.8024
Hunter-Lab	38.6425, -10.7786, -0.3478

Details

The XYZ color **12.3062, 14.9324, 17.8564** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2938, 9.9092, 9.1025**, and the grayscale version is **13.0756, 13.7566, 14.9809**.

A 20% lighter version of the original color is **29.6337, 34.7349, 40.7400**, and **3.5295, 4.6014, 5.7032** is the 20% darker color. If you saturate the color by 10%, you get **11.4054, 14.4706, 17.7160**, and if you desaturate by 10%, it is **13.3713, 15.4797, 18.0055**.

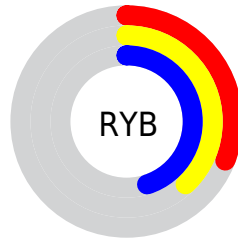
Distribution



Red (31%)

Green (45%)

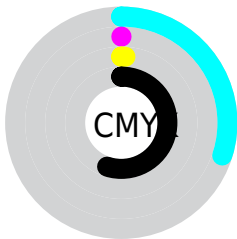
Blue (44%)



Red (31%)

Yellow (38%)

Blue (45%)

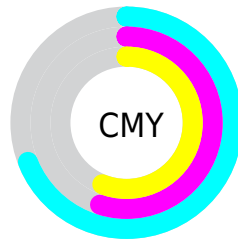


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (55%)



Cyan (69%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3062, 14.9324, 17.8564 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 12.3062, 14.9324, 17.8564 by changing the saturation by 10% instead.

■ 12.3062, 14.9324,
17.8564

■ 12.3062, 14.9324,
17.8564

200.1508,
222.9567, 252.2693

■ 7.0263, 8.7720,
10.6786

■ 29.6636, 34.7345,
40.6031

■ 3.5250, 4.5927,
5.7397

■ 42.4718, 49.1450,
57.0091

■ 1.4371, 2.0104,
2.6212

■ 58.5201, 67.0743,
77.3281

■ 0.2824, 0.6135,
0.9034

■ 78.1739, 88.9068,
101.9789

■ 0.0000, 0.0000,
0.0000

■ 101.7985,
115.0269, 131.3798

129.7592,

145.8190, 165.9495

162.4216,
181.6675, 206.1065

■ 12.3062, 14.9324,
17.8564

■ 12.3062, 14.9324,
17.8564

■ 11.4054, 14.4706,
17.7160

■ 13.3713, 15.4797,
18.0055

■ 10.6594, 14.0882,
17.5829

■ 14.6070, 16.1145,
18.1626

■ 10.0596, 13.7811,
17.4570

■ 16.0211, 16.8413,
18.3284

■ 9.5961, 13.5444,
17.3379

■ 17.6201, 17.6634,
18.5032

■ 9.2579, 13.3722,
17.2250

■ 19.4106, 18.5842,
18.6874

■ 9.0321, 13.2579,
17.1177

■ 21.3987, 19.6069,
18.8812

■ 8.8701, 13.1765,
17.0138

■ 23.5902, 20.7344,
19.0849

■ 8.8673, 13.1751,
17.0119

■ 25.9907, 21.9697,
19.2987

■ 28.6056, 23.3154,
19.5229

Harmonies

Analogous

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



12.3013, 14.9324, 14.8135



12.3062, 14.9324, 17.8564



12.7992, 14.9324, 20.7972

Triad

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



12.3062, 14.9324, 17.8564



15.6998, 14.9324, 20.7477



14.7196, 14.9324, 11.2167

Complementary

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



12.3062, 14.9324, 17.8564



11.2938, 9.9092, 9.1025

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.



15.6840, 14.9324, 12.4339



12.3062, 14.9324, 17.8564



16.2689, 14.9324, 17.7953

Square

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



12.3062, 14.9324, 17.8564



14.7402, 14.9324, 22.6034



16.2630, 14.9324, 14.7595



13.6591, 14.9324, 11.2287

Rectangle

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



12.3062, 14.9324, 17.8564



13.3532, 14.9324, 22.1953



16.2630, 14.9324, 14.7595



15.0669, 14.9324, 11.4883

Sweetspot

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



12.3066, 14.9330, 17.8567



25.8063, 28.3879, 31.9324



10.8705, 14.3697, 9.7903



5.9061, 6.5333, 7.3773



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.3066, 14.9330, 17.8567



20.4720, 25.6486, 31.2011



10.7261, 11.6812, 17.6097



3.4709, 3.8136, 4.2862



9.8694, 14.6653, 18.9309



49.1053, 73.0308, 93.9947

Inverse Universe

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



11.2938, 9.9092, 9.1025



18.3776, 15.2578, 13.0971



12.5586, 12.4985, 9.3402



3.3881, 3.4030, 3.5705



7.7443, 3.9901, 0.4634



38.5213, 19.8538, 2.0112

Previews

White Background



This preview shows how the XYZ color 12.3062, 14.9324, 17.8564 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 12.3062, 14.9324, 17.8564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

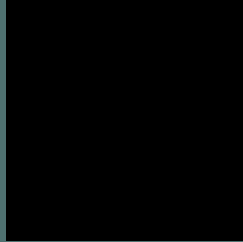
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3062, 14.9324, 17.8564

Background



This preview shows how black text looks on a background with the XYZ color 12.3062, 14.9324, 17.8564.



This preview shows how white text looks on a background with the XYZ color 12.3062, 14.9324,

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

12.3062, 14.9324, 17.8564

Protanopia

14.3247, 14.8707, 16.5833

Deuteranopia

14.9843, 14.7158, 18.2703



Tritanopia

12.8977, 15.0092, 20.6296

Trichromacy



Original Color

12.3062, 14.9324, 17.8564

Protanomaly

13.4274, 14.8743, 16.9152

Deuteranomaly

13.8793, 14.7648, 18.0380

Tritanomaly

12.6282, 14.8915, 19.6615

Monochromacy



Original Color

12.3062, 14.9324, 17.8564

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7357, 14.2196, 15.9833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3062, 14.9324, 17.8564 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(80, 114, 113) looks like.

```
.text, #text, p{  
    color:rgb(80, 114, 113)  
}
```

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(80, 114, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 114, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.3062, 14.9324, 17.8564 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(80, 114, 113) }
```


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

```
.border{ border-color:rgb(80, 114, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 114, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 114, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 114, 113);  
box-shadow:4px 4px 4px 4px rgb(80, 114,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3062, 14.9324, 17.8564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 114, 113) }
```

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

```
.background{ background-color: rgb(80, 114,  
113) }
```

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