

Converting Colors

XYZ(12.6630, 15.6046, 14.1467)

Have a look what the booklet for
XYZ(12.6630, 15.6046, 14.1467)
contains.

XYZ(12.6173, 15.5155, 14.1342)	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(12.6173, 15.5155,
14.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	597463
RGB	89, 116, 99
RGB Percent	35%, 45%, 39%
CMY	0.6510, 0.5451, 0.6118
CMYK	0.23, 0.00, 0.15, 0.55
HSL	142°, 13%, 40%
HSV	142°, 23%, 45%
XYZ	12.6173, 15.5155, 14.1342
YIQ	105.9890, -10.6350, -11.0110

Conversions

Conversions Part 2

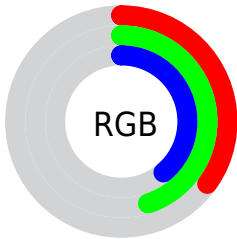
Format	Color
R_{YB}	89, 109, 116
Decimal	5862499
CIE _{Lab}	46.33, -13.61, 6.20
CIE _{LCh}	46, 14.958, 155.502
Yxy	15.5155, 0.2985, 0.3671
Android (android.graphics.Color)	4284052579 (0xFF597463)
YUV	105.9890, -3.4456, -14.8994
Hunter-Lab	39.3897, -11.7550, 6.2978

Details

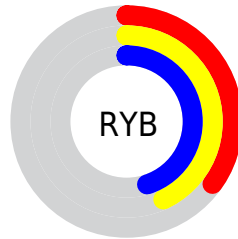
The XYZ color **12.6173, 15.5155, 14.1342** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3768, 11.8986, 15.2278**, and the grayscale version is **13.7081, 14.4220, 15.7056**.

A 20% lighter version of the original color is **30.1551, 35.6962, 34.1549**, and **3.7060, 4.9049, 4.1196** is the 20% darker color. If you saturate the color by 10%, you get **11.2572, 14.8533, 12.3296**, and if you desaturate by 10%, it is **14.1853, 16.2821, 16.1141**.

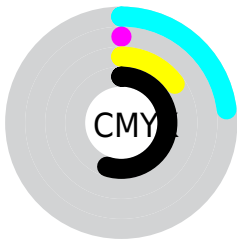
Distribution



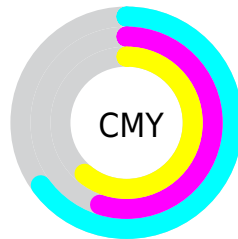
- Red (35%)
- Green (45%)
- Blue (39%)



- Red (35%)
- Yellow (43%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (55%)



- Cyan (65%)
- Magenta (55%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6173, 15.5155, 14.1342 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 12.6173, 15.5155, 14.1342 by changing the saturation by 10% instead.

■ 12.6173, 15.5155,
14.1342

■ 12.6173, 15.5155,
14.1342

202.1378,
226.4656, 229.5215

■ 7.2407, 9.1820,
8.0742

■ 30.2217, 35.7550,
34.0475

■ 3.6608, 4.8601,
4.0540

■ 43.1803, 50.4298,
48.7379

■ 1.5121, 2.1654,
1.6550

■ 59.3969, 68.6538,
67.1423

■ 0.3340, 0.7010,
0.3296

■ 79.2368, 90.8114,
89.6791

■ 0.0000, 0.0000,
0.0000

■ 103.0656,
117.2869, 116.7668

131.2484,

148.4649, 148.8241

164.1507,
184.7296, 186.2695

■ 12.6173, 15.5155,
14.1342

■ 12.6173, 15.5155,
14.1342

■ 11.2572, 14.8533,
12.3296

■ 14.1853, 16.2821,
16.1141

■ 10.0947, 14.2890,
10.6945

■ 15.9684, 17.1554,
18.2728

■ 9.1205, 13.8183,
9.2243

■ 17.9750, 18.1400,
20.6151

■ 8.3240, 13.4359,
7.9136

■ 20.2126, 19.2399,
23.1452

■ 7.6935, 13.1358,
6.7570

■ 22.6885, 20.4586,
25.8673

■ 7.2160, 12.9115,
5.7487

■ 25.4095, 21.7995,
28.7854

■ 6.8742, 12.7541,
4.8822

■ 28.3823, 23.2661,
31.9032

■ 6.6811, 12.6656,
4.3746

■ 31.6132, 24.8616,
35.2246

■ 35.1083, 26.5889,
38.7532

Harmonies

Analogous

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



13.3624, 15.5155, 11.7771



12.6173, 15.5155, 14.1342



12.4286, 15.5155, 17.5791

Triad

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



12.6173, 15.5155, 14.1342



14.9844, 15.5155, 24.9331



16.8445, 15.5155, 13.1194

Complementary

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



12.6173, 15.5155, 14.1342



13.3768, 11.8986, 15.2278

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.



17.3371, 15.5155, 16.2264



12.6173, 15.5155, 14.1342



16.2241, 15.5155, 23.3118

Square

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



12.6173, 15.5155, 14.1342



13.7490, 15.5155, 24.1601



17.1038, 15.5155, 19.9909



15.7921, 15.5155, 11.2534

Rectangle

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



12.6173, 15.5155, 14.1342



12.6337, 15.5155, 20.1164



17.1038, 15.5155, 19.9909



17.0837, 15.5155, 14.0350

Sweetspot

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



12.6177, 15.5161, 14.1345



26.8000, 29.5331, 30.6010



14.0049, 16.2831, 11.8560



6.3632, 7.0307, 7.2638



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.



12.6177, 15.5161, 14.1345



20.8355, 26.6185, 23.0841



13.3126, 15.7941, 17.7939



3.6915, 4.1186, 4.2095



7.4889, 14.2095, 4.8644



36.1107, 69.0915, 21.6858

Inverse Universe

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



13.3768, 11.8986, 15.2278



22.4199, 19.0654, 25.3638



12.7333, 11.6412, 11.8392



3.7718, 3.7360, 4.3253



9.4247, 4.7036, 7.4447



45.5038, 22.7516, 34.0458

Previews

White Background



This preview shows how the XYZ color 12.6173, 15.5155, 14.1342 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 12.6173, 15.5155, 14.1342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

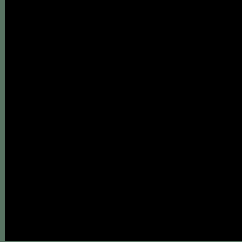
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6173, 15.5155, 14.1342

Background



This preview shows how black text looks on a background with the XYZ color 12.6173, 15.5155, 14.1342.



This preview shows how white text looks on a background with the XYZ color 12.6173, 15.5155,

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

12.6173, 15.5155, 14.1342

Protanopia

14.6044, 15.4083, 13.0308

Deuteranopia

15.6714, 15.4586, 14.4698



Tritanopia

13.9322, 15.5426, 20.6781

Trichromacy



Original Color

12.6173, 15.5155, 14.1342

Protanomaly

13.8493, 15.4970, 13.3276

Deuteranomaly

14.4317, 15.4515, 14.2784

Tritanomaly

13.4682, 15.5248, 18.2063

Monochromacy



Original Color

12.6173, 15.5155, 14.1342

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.2796, 14.8405, 14.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6173, 15.5155, 14.1342 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(89, 116, 99) looks like.

```
.text, #text, p{  
    color:rgb(89, 116, 99)  
}
```

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(89, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 116, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.6173, 15.5155, 14.1342 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(89, 116, 99) }
```


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

```
.border{ border-color:rgb(89, 116, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 116, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(89, 116,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6173, 15.5155, 14.1342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 116, 99) }
```

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

```
.background{ background-color: rgb(89, 116,  
99) }
```

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