

Converting Colors

XYZ(12.0963, 14.2437, 18.6327)

Have a look what the booklet for
XYZ(12.0963, 14.2437, 18.6327)
contains.

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Color

**XYZ(12.1451, 14.3353,
18.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	506F74
RGB	80, 111, 116
RGB Percent	31%, 44%, 45%
CMY	0.6863, 0.5647, 0.5451
CMYK	0.31, 0.04, 0.00, 0.55
HSL	188°, 18%, 38%
HSV	188°, 31%, 45%
XYZ	12.1451, 14.3353, 18.6499
YIQ	102.3010, -20.0810, -5.0170

Conversions

Conversions Part 2

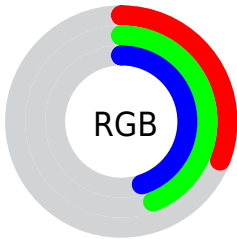
Format	Color
R_{YB}	80, 97, 116
Decimal	5271412
CIE _{Lab}	44.71, -9.84, -6.40
CIE _{LCh}	45, 11.739, 213.032
Yxy	14.3353, 0.2691, 0.3176
Android (android.graphics.Color)	4283461492 (0xFF506F74)
YUV	102.3010, 6.7536, -19.5580
Hunter-Lab	37.8620, -9.0005, -2.7014

Details

The XYZ color **12.1451, 14.3353, 18.6499** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8992, 10.7894, 9.0452**, and the grayscale version is **12.6950, 13.3562, 14.5449**.

A 20% lighter version of the original color is **29.3710, 33.7674, 42.0155**, and **3.4481, 4.2957, 6.1163** is the 20% darker color. If you saturate the color by 10%, you get **11.0749, 13.5254, 18.5502**, and if you desaturate by 10%, it is **13.3884, 15.2399, 18.7592**.

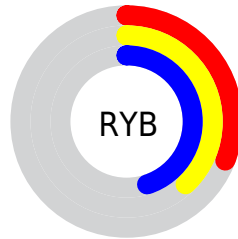
Distribution



Red (31%)

Green (44%)

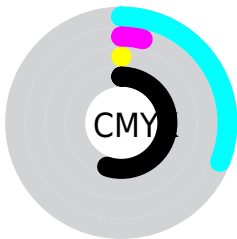
Blue (45%)



Red (31%)

Yellow (38%)

Blue (45%)

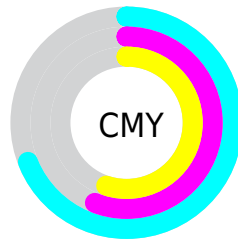


Cyan (31%)

Magenta (4%)

Yellow (0%)

Black (55%)



Cyan (69%)

Magenta (56%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1451, 14.3353, 18.6499 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 12.1451, 14.3353, 18.6499 by changing the saturation by 10% instead.

■ 12.1451, 14.3353,
18.6499

■ 12.1451, 14.3353,
18.6499

■ 199.1139,
219.3069, 256.8671

■ 6.9155, 8.3542,
11.2433

■ 29.3737, 33.6828,
41.9705

■ 3.4552, 4.3224,
6.1145

■ 42.1033, 47.8180,
58.7215

■ 1.3988, 1.8555,
2.8449

■ 58.0637, 65.4401,
79.4245

■ 0.2554, 0.5214,
1.0160

■ 77.6202, 86.9334,
104.4980

■ 0.0000, 0.0000,
0.0000

■ 101.1381,
112.6823, 134.3604

128.9827,

143.0713, 169.4304

161.5196,
178.4847, 210.1265

■ 12.1451, 14.3353,
18.6499

■ 12.1451, 14.3353,
18.6499

■ 11.0749, 13.5254,
18.5502

■ 13.3884, 15.2399,
18.7592

■ 10.1679, 12.8039,
18.4588

■ 14.8117, 16.2416,
18.8776

■ 9.4151, 12.1666,
18.3754

■ 16.4230, 17.3450,
19.0056

■ 8.8058, 11.6079,
18.2997

■ 18.2293, 18.5538,
19.1437

■ 8.3285, 11.1218,
18.2310

■ 20.2375, 19.8714,
19.2922

■ 7.9692, 10.7012,
18.1688

■ 22.4540, 21.3012,
19.4514

■ 7.6994, 10.3549,
18.1162

■ 24.8849, 22.8464,
19.6215

■ 27.5360, 24.5100,
19.8029

■ 30.4131, 26.2950,
19.9958

Harmonies

Analogous

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



11.8750, 14.3353, 15.8882



12.1451, 14.3353, 18.6499



12.8105, 14.3353, 20.7725

Triad

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



12.1451, 14.3353, 18.6499



15.3257, 14.3353, 18.1133



13.5285, 14.3353, 10.9300

Complementary

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



12.1451, 14.3353, 18.6499



11.8992, 10.7894, 9.0452

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.



14.4738, 14.3353, 11.3805



12.1451, 14.3353, 18.6499



15.5396, 14.3353, 15.3325

Square

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



12.1451, 14.3353, 18.6499



14.6495, 14.3353, 20.4382



15.2211, 14.3353, 12.9175



12.6500, 14.3353, 11.6071

Rectangle

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



12.1451, 14.3353, 18.6499



13.4040, 14.3353, 21.4232



15.2211, 14.3353, 12.9175



13.8489, 14.3353, 10.9548

Sweetspot

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



12.1455, 14.3359, 18.6502



26.5225, 28.8863, 33.2222



11.1857, 14.8493, 10.8297



6.2504, 6.8380, 7.9194



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.



12.1455, 14.3359, 18.6502



20.0187, 24.1989, 32.6603



10.3929, 10.8306, 18.0660



3.7421, 4.0728, 4.6791



8.6305, 11.6007, 20.3269



41.5909, 55.5984, 98.8998

Inverse Universe

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



12.9407, 10.5984, 16.4032



21.6701, 16.6470, 27.9467



13.4811, 13.9533, 9.5725



3.8058, 3.7496, 4.5043



10.6534, 5.1951, 13.9150



51.6799, 25.2221, 66.5690

Previews

White Background



This preview shows how the XYZ color 12.1451, 14.3353, 18.6499 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 12.1451, 14.3353, 18.6499 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 12.1451, 14.3353, 18.6499

Background



This preview shows how black text looks on a background with the XYZ color 12.1451, 14.3353, 18.6499.



This preview shows how white text looks on a background with the XYZ color 12.1451, 14.3353,

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

12.1451, 14.3353, 18.6499

Protanopia

13.8019, 14.2763, 17.3574

Deuteranopia

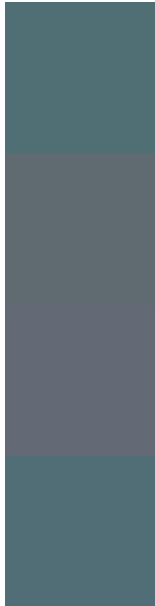
14.5507, 14.3235, 19.1373



Tritanopia

12.2990, 14.2331, 19.5518

Trichromacy



Original Color

12.1451, 14.3353, 18.6499

Protanomaly

13.0622, 14.1944, 17.6741

Deuteranomaly

13.5105, 14.2451, 18.8671

Tritanomaly

12.2393, 14.2092, 19.2371

Monochromacy



Original Color

12.1451, 14.3353, 18.6499

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3215, 13.5444, 15.8748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1451, 14.3353, 18.6499 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, 111, 116)` looks like.

```
.text, #text, p{  
    color:rgb(80, 111, 116)  
}
```

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, 111, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 111, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.1451, 14.3353, 18.6499 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, 111, 116) }
```


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

```
.border{ border-color:rgb(80, 111, 116) }
```

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

Here you see how a box with a 4 pixel rgb(80, 111, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 111, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 111, 116);  
box-shadow:4px 4px 4px 4px rgb(80, 111,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1451, 14.3353, 18.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 111, 116) }
```

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

```
.background{ background-color: rgb(80, 111,  
116) }
```

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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