

Converting Colors

XYZ(12.3047, 14.7498, 18.0279)

Have a look what the booklet for
XYZ(12.3047, 14.7498, 18.0279)
contains.

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Color

**XYZ(12.3357, 14.7745,
18.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	517172
RGB	81, 113, 114
RGB Percent	32%, 44%, 45%
CMY	0.6823, 0.5569, 0.5529
CMYK	0.29, 0.01, 0.00, 0.55
HSL	182°, 17%, 38%
HSV	182°, 29%, 45%
XYZ	12.3357, 14.7745, 18.1212
YIQ	103.5460, -19.3930, -6.4730

Conversions

Conversions Part 2

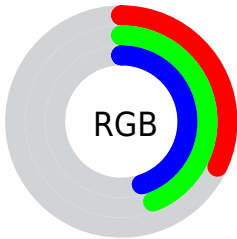
Format	Color
RYB	81, 97, 114
Decimal	5337458
CIELab	45.32, -11.18, -4.28
CIELCh	45, 11.968, 200.959
Yxy	14.7745, 0.2727, 0.3266
Android (android.graphics.Color)	4283527538 (0xFF517172)
YUV	103.5460, 5.1538, -19.7728
Hunter-Lab	38.4376, -9.9802, -1.0456

Details

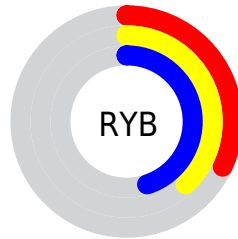
The XYZ color **12.3357, 14.7745, 18.1212** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4420, 10.2061, 9.1517**, and the grayscale version is **13.0277, 13.7061, 14.9260**.

A 20% lighter version of the original color is **29.6981, 34.4887, 41.1681**, and **3.5334, 4.5140, 5.8393** is the 20% darker color. If you saturate the color by 10%, you get **11.4014, 14.2362, 18.0668**, and if you desaturate by 10%, it is **13.4351, 15.3989, 18.1840**.

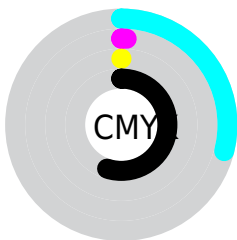
Distribution



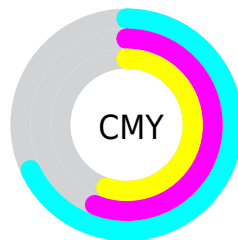
- Red (32%)
- Green (44%)
- Blue (45%)



- Red (32%)
- Yellow (38%)
- Blue (45%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



- Cyan (68%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3357, 14.7745, 18.1212 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 12.3357, 14.7745, 18.1212 by changing the saturation by 10% instead.

■ 12.3357, 14.7745,
18.1212

■ 12.3357, 14.7745,
18.1212

200.3401,
221.9972, 253.8123

■ 7.0466, 8.6613,
10.8667

■ 29.7166, 34.4571,
41.0605

■ 3.5378, 4.5209,
5.8642

■ 42.5391, 48.7953,
57.5823

■ 1.4441, 1.9690,
2.6952

■ 58.6035, 66.6439,
78.0303

■ 0.2874, 0.5894,
0.9410

■ 78.2750, 88.3873,
102.8231

■ 0.0000, 0.0000,
0.0000

■ 101.9191,
114.4100, 132.3791

129.9010,

145.0962, 167.1170

162.5862,
180.8305, 207.4552

■ 12.3357, 14.7745,
18.1212

■ 12.3357, 14.7745,
18.1212

■ 11.4014, 14.2362,
18.0668

■ 13.4351, 15.3989,
18.1840

■ 10.6227, 13.7779,
18.0194

■ 14.7058, 16.1114,
18.2546

■ 9.9910, 13.3957,
17.9789

■ 16.1555, 16.9164,
18.3336

■ 9.4968, 13.0846,
17.9449

■ 17.7909, 17.8174,
18.4213

■ 9.1288, 12.8387,
17.9168

■ 19.6184, 18.8176,
18.5180

■ 8.8746, 12.6517,
17.8941

■ 21.6441, 19.9202,
18.6241

■ 8.6919, 12.5018,
17.8748

■ 23.8737, 21.1281,
18.7397

■ 8.6730, 12.4862,
17.8728

■ 26.3128, 22.4443,
18.8652

■ 28.9669, 23.8715,
19.0008

Harmonies

Analogous

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



12.2419, 14.7745, 15.2437



12.3357, 14.7745, 18.1212



12.8752, 14.7745, 20.7139

Triad

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



12.3357, 14.7745, 18.1212



15.5770, 14.7745, 19.7790



14.3446, 14.7745, 11.2725

Complementary

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



12.3357, 14.7745, 18.1212



11.4420, 10.2061, 9.1517

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.



15.2788, 14.7745, 12.2060



12.3357, 14.7745, 18.1212



16.0120, 14.7745, 16.9607

Square

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



12.3357, 14.7745, 18.1212



14.7361, 14.7745, 21.7466



15.9004, 14.7745, 14.2109



13.3714, 14.7745, 11.5057

Rectangle

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



12.3357, 14.7745, 18.1212



13.4296, 14.7745, 21.8232



15.9004, 14.7745, 14.2109



14.6743, 14.7745, 11.4558

Sweetspot

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



12.3361, 14.7751, 18.1215



25.7743, 28.2743, 32.0745



10.9168, 14.3866, 10.0949



5.8978, 6.5037, 7.4142



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.



12.3361, 14.7751, 18.1215



20.5059, 25.2899, 31.7762



10.7009, 11.5046, 17.5765



3.4667, 3.7987, 4.3047



9.6523, 13.8949, 19.8949



47.9633, 68.9785, 99.0654

Inverse Universe

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



12.8628, 10.6548, 17.0021



21.6042, 16.7627, 29.4273



12.7972, 12.9165, 9.6034



3.5103, 3.4518, 4.2137



10.8904, 5.2485, 17.0304



54.1896, 26.1212, 84.5198

Previews

White Background



This preview shows how the XYZ color 12.3357, 14.7745, 18.1212 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 12.3357, 14.7745, 18.1212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

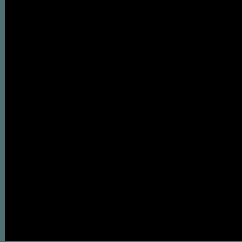
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

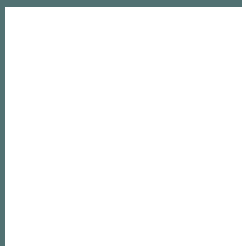
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3357, 14.7745, 18.1212

Background



This preview shows how black text looks on a background with the XYZ color 12.3357, 14.7745, 18.1212.



This preview shows how white text looks on a background with the XYZ color 12.3357, 14.7745,

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

12.3357, 14.7745, 18.1212

Protanopia

14.1528, 14.6220, 16.8282

Deuteranopia

14.9128, 14.6723, 18.5690



Tritanopia

12.8126, 14.8078, 20.2721

Trichromacy



Original Color

12.3357, 14.7745, 18.1212

Protanomaly

13.3749, 14.6816, 17.1678

Deuteranomaly

13.7190, 14.5199, 18.2992

Tritanomaly

12.5439, 14.6902, 19.3139

Monochromacy



Original Color

12.3357, 14.7745, 18.1212

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7883, 14.0849, 16.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3357, 14.7745, 18.1212 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(81, 113, 114) looks like.

```
.text, #text, p{  
    color:rgb(81, 113, 114)  
}
```

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(81, 113, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 113, 114) }
```

Border

The CSS property to change the border of an element to XYZ 12.3357, 14.7745, 18.1212 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(81, 113, 114) }
```


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

```
.border{ border-color:rgb(81, 113, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 113, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 113, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 113, 114);  
box-shadow:4px 4px 4px 4px rgb(81, 113,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3357, 14.7745, 18.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 113, 114) }
```

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

```
.background{ background-color: rgb(81, 113,  
114) }
```

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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