

Converting Colors

XYZ(12.7085, 18.6657, 15.1945)

Have a look what the booklet for
XYZ(12.7085, 18.6657, 15.1945)
contains.

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Color

**XYZ(12.7864, 18.7714,
15.2612)**

Conversions

Conversions Part 1

Format	Color
Hex	3F8565
RGB	63, 133, 101
RGB Percent	25%, 52%, 40%
CMY	0.7529, 0.4784, 0.6039
CMYK	0.53, 0.00, 0.24, 0.48
HSL	153°, 36%, 38%
HSV	153°, 53%, 52%
XYZ	12.7864, 18.7714, 15.2612
YIQ	108.4220, -31.4480, -24.7920

Conversions

Conversions Part 2

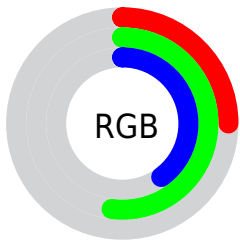
Format	Color
R _Y B	63, 108, 133
Decimal	4162917
CIE Lab	50.42, -30.09, 10.63
CIE LCh	50, 31.912, 160.552
Yxy	18.7714, 0.2731, 0.4009
Android (android.graphics.Color)	4282352997 (0xFF3F8565)
YUV	108.4220, -3.6590, -39.8351
Hunter-Lab	43.3260, -23.1414, 9.4438

Details

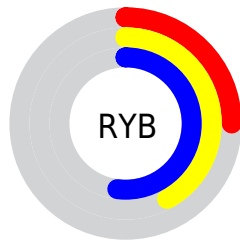
The XYZ color **12.7864, 18.7714, 15.2612** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.5166, 9.3683, 11.9232**, and the grayscale version is **14.3892, 15.1386, 16.4859**.

A 20% lighter version of the original color is **30.6403, 41.5207, 36.1051**, and **3.7591, 6.4529, 4.5374** is the 20% darker color. If you saturate the color by 10%, you get **11.7506, 18.2711, 13.7149**, and if you desaturate by 10%, it is **14.0506, 19.3879, 16.9341**.

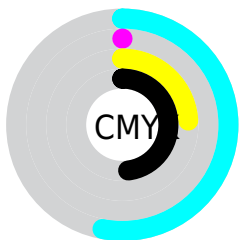
Distribution



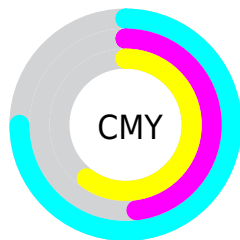
- Red (25%)
- Green (52%)
- Blue (40%)



- Red (25%)
- Yellow (42%)
- Blue (52%)



- Cyan (53%)
- Magenta (0%)
- Yellow (24%)
- Black (48%)



- Cyan (75%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7864, 18.7714, 15.2612 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 12.7864, 18.7714, 15.2612 by changing the saturation by 10% instead.

■ 12.7864, 18.7714,
15.2612

■ 12.7864, 18.7714,
15.2612

203.2096,
245.1838, 236.6368

■ 7.3576, 11.5052,
8.8543

■ 30.5241, 41.3475,
36.0595

■ 3.7350, 6.4077,
4.5507

■ 43.5637, 57.4261,
51.2880

■ 1.5534, 3.0946,
1.9321

■ 59.8710, 77.2111,
70.2940

■ 0.3617, 1.1813,
0.5130

■ 79.8113, 101.0867,
93.4961

■ 0.0000, 0.0463,
0.0000

■ 103.7499,
129.4374, 121.3130

■ 0.0000, 0.0000,
0.0000

132.0523,

162.6475, 154.1630

165.0837,
201.1016, 192.4647

■ 12.7864, 18.7714,
15.2612

■ 12.7864, 18.7714,
15.2612

■ 11.7506, 18.2711,
13.7149

■ 14.0506, 19.3879,
16.9341

■ 10.9260, 17.8766,
12.2908

■ 15.5555, 20.1254,
18.7353

■ 10.2956, 17.5799,
10.9857

■ 17.3146, 20.9913,
20.6682

■ 9.8388, 17.3703,
9.7963

■ 19.3397, 21.9916,
22.7357

■ 9.5641, 17.2462,
8.9897

■ 21.6419, 23.1320,
24.9404

■ 24.2317, 24.4179,
27.2850

■ 27.1190, 25.8543,
29.7720

■ 30.3132, 27.4460,
32.4039

■ 33.8234, 29.1977,
35.1832

Harmonies

Analogous

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



14.2371, 18.7714, 10.0108



12.7864, 18.7714, 15.2612



12.5955, 18.7714, 23.7303

Triad

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



12.7864, 18.7714, 15.2612



18.9567, 18.7714, 42.2590



22.7697, 18.7714, 11.2211

Complementary

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



12.7864, 18.7714, 15.2612



13.5166, 9.3683, 11.9232

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.



24.3733, 18.7714, 17.4668



12.7864, 18.7714, 15.2612



22.0084, 18.7714, 36.3649

Square

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



12.7864, 18.7714, 15.2612



15.9280, 18.7714, 41.1554



24.0795, 18.7714, 26.6723



19.9028, 18.7714, 8.1897

Rectangle

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



12.7864, 18.7714, 15.2612



13.1811, 18.7714, 30.4129



24.0795, 18.7714, 26.6723



23.4886, 18.7714, 12.9255

Sweetspot

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



12.7869, 18.7722, 15.2616



33.2214, 38.6835, 39.3030



14.0742, 19.6035, 7.7450



7.3436, 8.6454, 8.7112



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.7869, 18.7722, 15.2616



20.7490, 32.5777, 24.0844



14.3558, 18.8942, 25.0815



4.7141, 5.2439, 5.5059



9.1137, 16.4283, 8.5842



0.0353, 0.0584, 0.0492

Inverse Universe

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



13.5166, 9.3683, 11.9232



22.2074, 13.8317, 17.4485



12.4801, 9.1649, 5.8142



4.7545, 4.7215, 5.3197



10.0148, 5.0703, 4.6505



0.0383, 0.0190, 0.0351

Previews

White Background



This preview shows how the XYZ color 12.7864, 18.7714, 15.2612 looks on a white 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

Black Background



This preview shows how the XYZ color 12.7864, 18.7714, 15.2612 looks on a black 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

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

XYZ 12.7864, 18.7714, 15.2612

Background



This preview shows how black text looks on a background with the XYZ color 12.7864, 18.7714, 15.2612.



This preview shows how white text looks on a background with the XYZ color 12.7864, 18.7714,

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

12.7864, 18.7714, 15.2612

Protanopia

17.3696, 18.5138, 13.2477

Deuteranopia

18.8339, 18.5156, 15.9458



Tritanopia

15.1307, 18.7292, 26.8624

Trichromacy



Original Color

12.7864, 18.7714, 15.2612

Protanomaly

15.0742, 18.2214, 14.0319

Deuteranomaly

15.7649, 18.1698, 15.7729

Tritanomaly

14.2101, 18.7480, 22.2718

Monochromacy



Original Color

12.7864, 18.7714, 15.2612

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.3247, 16.0178, 15.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7864, 18.7714, 15.2612 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(63, 133, 101)` looks like.

```
.text, #text, p{  
    color:rgb(63, 133, 101)  
}
```

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(63, 133, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 133, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.7864, 18.7714, 15.2612 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(63, 133, 101) }
```


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

```
.border{ border-color:rgb(63, 133, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 133, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 133, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 133, 101);  
box-shadow:4px 4px 4px 4px rgb(63, 133,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7864, 18.7714, 15.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 133, 101) }
```

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

```
.background{ background-color: rgb(63, 133,  
101) }
```

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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