

Converting Colors

XYZ(12.8389, 15.5265, 18.7254)

Have a look what the booklet for
XYZ(12.8389, 15.5265, 18.7254)
contains.

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Color

**XYZ(12.8775, 15.5456,
18.8449)**

Conversions

Conversions Part 1

Format	Color
Hex	527474
RGB	82, 116, 116
RGB Percent	32%, 45%, 45%
CMY	0.6784, 0.5451, 0.5451
CMYK	0.29, 0.00, 0.00, 0.55
HSL	180°, 17%, 39%
HSV	180°, 29%, 45%
XYZ	12.8775, 15.5456, 18.8449
YIQ	105.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

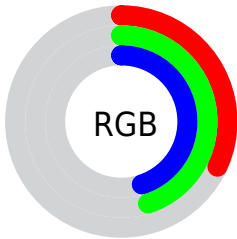
Format	Color
RYB	82, 99, 116
Decimal	5403764
CIELab	46.37, -12.04, -3.92
CIELCh	46, 12.665, 198.021
Yxy	15.5456, 0.2724, 0.3289
Android (android.graphics.Color)	4283593844 (0xFF527474)
YUV	105.8340, 5.0118, -20.9024
Hunter-Lab	39.4279, -10.6992, -0.7386

Details

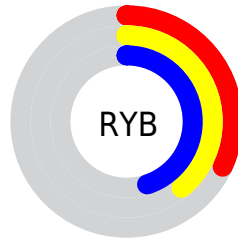
The XYZ color **12.8775, 15.5456, 18.8449** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7433, 10.3573, 9.3636**, and the grayscale version is **13.6453, 14.3559, 15.6336**.

A 20% lighter version of the original color is **30.7434, 35.8190, 42.3392**, and **3.8036, 4.9089, 6.2159** is the 20% darker color. If you saturate the color by 10%, you get **11.9529, 15.0694, 18.8018**, and if you desaturate by 10%, it is **13.9735, 16.1110, 18.8967**.

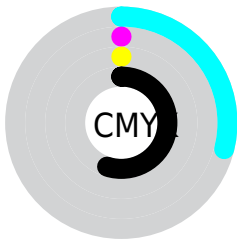
Distribution



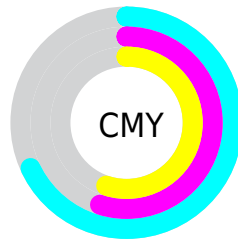
- Red (32%)
- Green (45%)
- Blue (45%)



- Red (32%)
- Yellow (39%)
- Blue (45%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8775, 15.5456, 18.8449 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 12.8775, 15.5456, 18.8449 by changing the saturation by 10% instead.

■ 12.8775, 15.5456,
18.8449

■ 12.8775, 15.5456,
18.8449

203.7846,
226.6453, 257.9853

■ 7.4207, 9.2032,
11.3826

■ 30.6867, 35.8075,
42.3051

■ 3.7752, 4.8740,
6.2074

■ 43.7698, 50.4958,
59.1400

■ 1.5758, 2.1735,
2.9008

■ 60.1257, 68.7349,
79.9362

■ 0.3765, 0.7055,
1.0442

■ 80.1198, 90.9091,
105.1122

■ 0.0000, 0.0000,
0.0000

■ 104.1173,
117.4028, 135.0866

132.4837,

148.6005, 170.2779

165.5844,
184.8865, 211.1046

■ 12.8775, 15.5456,
18.8449

■ 12.8775, 15.5456,
18.8449

■ 11.9529, 15.0694,
18.8018

■ 13.9735, 16.1110,
18.8967

■ 11.1899, 14.6760,
18.7660

■ 15.2477, 16.7679,
18.9564

■ 10.5796, 14.3614,
18.7373

■ 16.7078, 17.5206,
19.0249

■ 10.1117, 14.1202,
18.7152

■ 18.3610, 18.3728,
19.1024

■ 9.7747, 13.9464,
18.6993

■ 20.2140, 19.3281,
19.1893

■ 9.5552, 13.8333,
18.6889

■ 22.2731, 20.3896,
19.2858

■ 9.4079, 13.7574,
18.6818

■ 24.5443, 21.5604,
19.3923

■ 9.3979, 13.7522,
18.6814

■ 27.0335, 22.8437,
19.5089

■ 29.7464, 24.2422,
19.6360

Harmonies

Analogous

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



12.8256, 15.5456, 15.7154



12.8775, 15.5456, 18.8449



13.4225, 15.5456, 21.7729

Triad

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



12.8775, 15.5456, 18.8449



16.3830, 15.5456, 21.2499



15.2133, 15.5456, 11.7244

Complementary

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



12.8775, 15.5456, 18.8449



11.7433, 10.3573, 9.3636

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.



16.2168, 15.5456, 12.8586



12.8775, 15.5456, 18.8449



16.9139, 15.5456, 18.1984

Square

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



12.8775, 15.5456, 18.8449



15.4311, 15.5456, 23.2743



16.8517, 15.5456, 15.1430



14.1390, 15.5456, 11.8526

Rectangle

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



12.8775, 15.5456, 18.8449



14.0078, 15.5456, 23.1000



16.8517, 15.5456, 15.1430



15.5710, 15.5456, 11.9643

Sweetspot

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



12.8780, 15.5462, 18.8453



26.8213, 29.4838, 33.3216



11.2981, 14.9200, 10.2674



6.3308, 6.9988, 7.9461



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.



12.8780, 15.5462, 18.8453



21.5341, 26.7582, 33.0735



11.1483, 12.0868, 18.2691



3.7833, 4.1553, 4.6929



10.5461, 15.4325, 20.9638



51.3925, 75.2043, 102.1589

Inverse Universe

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



11.7433, 10.3573, 9.3636



19.2039, 16.1014, 13.6002



13.1344, 13.1395, 9.8270



3.6840, 3.7009, 3.8625



8.0828, 4.1668, 0.3784



39.3886, 20.3055, 1.8437

Previews

White Background



This preview shows how the XYZ color 12.8775, 15.5456, 18.8449 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 12.8775, 15.5456, 18.8449 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 12.8775, 15.5456, 18.8449

Background



This preview shows how black text looks on a background with the XYZ color 12.8775, 15.5456, 18.8449.



This preview shows how white text looks on a background with the XYZ color 12.8775, 15.5456,

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

12.8775, 15.5456, 18.8449

Protanopia

14.9488, 15.4866, 17.5306

Deuteranopia

15.6265, 15.3291, 19.2747



Tritanopia

13.4250, 15.6015, 21.3726

Trichromacy



Original Color

12.8775, 15.5456, 18.8449

Protanomaly

14.0303, 15.4899, 17.8732

Deuteranomaly

14.4957, 15.3793, 19.0341

Tritanomaly

13.1492, 15.4809, 20.3842

Monochromacy



Original Color

12.8775, 15.5456, 18.8449

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3202, 14.8190, 16.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8775, 15.5456, 18.8449 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(82, 116, 116) looks like.

```
.text, #text, p{  
    color:rgb(82, 116, 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(82, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 116, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.8775, 15.5456, 18.8449 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(82, 116, 116) }
```


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

```
.border{ border-color:rgb(82, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(82, 116,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8775, 15.5456, 18.8449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 116, 116) }
```

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

```
.background{ background-color: rgb(82, 116,  
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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