

Converting Colors

XYZ(12.5352, 13.9806, 17.6621)

Have a look what the booklet for
XYZ(12.5352, 13.9806, 17.6621)
contains.

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Color

**XYZ(12.4548, 13.8813,
17.6457)**

Conversions

Conversions Part 1

Format	Color
Hex	5A6B71
RGB	90, 107, 113
RGB Percent	35%, 42%, 44%
CMY	0.6471, 0.5804, 0.5569
CMYK	0.20, 0.05, 0.00, 0.56
HSL	196°, 11%, 40%
HSV	196°, 20%, 44%
XYZ	12.4548, 13.8813, 17.6457
YIQ	102.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

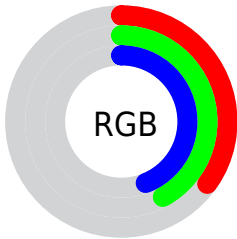
Format	Color
R_{YB}	90, 100, 113
Decimal	5925745
CIE Lab	44.06, -4.93, -5.49
CIE LCh	44, 7.373, 228.073
Yxy	13.8813, 0.2832, 0.3156
Android (android.graphics.Color)	4284115825 (0xFF5A6B71)
YUV	102.6010, 5.1267, -11.0511
Hunter-Lab	37.2576, -5.5303, -2.0002

Details

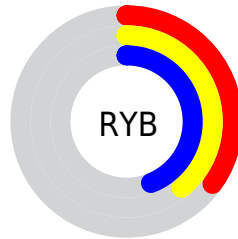
The XYZ color **12.4548, 13.8813, 17.6457** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8386, 12.6147, 11.4314**, and the grayscale version is **12.7764, 13.4418, 14.6381**.

A 20% lighter version of the original color is **29.8336, 32.7458, 40.3455**, and **3.6087, 4.1488, 5.6116** is the 20% darker color. If you saturate the color by 10%, you get **11.1362, 12.7535, 17.4977**, and if you desaturate by 10%, it is **13.9518, 15.1174, 17.8056**.

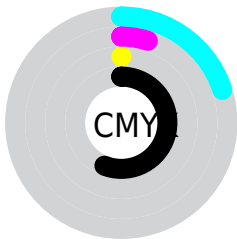
Distribution



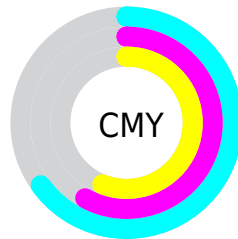
- Red (35%)
- Green (42%)
- Blue (44%)



- Red (35%)
- Yellow (39%)
- Blue (44%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (56%)



- Cyan (65%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4548, 13.8813, 17.6457 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 12.4548, 13.8813, 17.6457 by changing the saturation by 10% instead.

■ 12.4548, 13.8813,
17.6457

■ 12.4548, 13.8813,
17.6457

201.1024,
216.4911, 251.0351

■ 7.1286, 8.0382,
10.5291

■ 29.9305, 32.8783,
40.2384

■ 3.5897, 4.1194,
5.6410

■ 42.8107, 46.8009,
56.5516

■ 1.4727, 1.7406,
2.5628

■ 58.9396, 64.1854,
76.7675

■ 0.3072, 0.4497,
0.8732

■ 78.6826, 85.4163,
101.3045

■ 0.0000, 0.0000,
0.0000

102.4050,
110.8779, 130.5812

130.4722,

140.9547, 165.0162

163.2496,
176.0310, 205.0280

■ 12.4548, 13.8813,
17.6457

■ 12.4548, 13.8813,
17.6457

■ 11.1362, 12.7535,
17.4977

■ 13.9518, 15.1174,
17.8056

■ 9.9872, 11.7281,
17.3604

■ 15.6332, 16.4638,
17.9769

■ 9.0000, 10.8014,
17.2335

■ 17.5061, 17.9249,
18.1602

■ 8.1656, 9.9686,
17.1168

■ 19.5769, 19.5039,
18.3558

■ 7.4743, 9.2244,
17.0096

■ 21.8516, 21.2043,
18.5641

■ 6.9150, 8.5631,
16.9114

■ 24.3362, 23.0290,
18.7854

■ 6.4749, 7.9778,
16.8216

■ 27.0361, 24.9813,
19.0199

■ 6.1145, 7.4600,
16.7407

■ 29.9568, 27.0639,
19.2680

■ 33.1035, 29.2797,
19.5298

Harmonies

Analogous

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



12.1509, 13.8813, 16.1382



12.4548, 13.8813, 17.6457



12.9622, 13.8813, 18.4981

Triad

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



12.4548, 13.8813, 17.6457



14.3277, 13.8813, 15.7914



12.8471, 13.8813, 12.2484

Complementary

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



12.4548, 13.8813, 17.6457



12.8386, 12.6147, 11.4314

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.



13.4281, 13.8813, 12.1707



12.4548, 13.8813, 17.6457



14.2947, 13.8813, 14.1348

Square

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



12.4548, 13.8813, 17.6457



14.0503, 13.8813, 17.3757



13.9614, 13.8813, 12.8375



12.3727, 13.8813, 13.0583

Rectangle

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



12.4548, 13.8813, 17.6457



13.3527, 13.8813, 18.5413



13.9614, 13.8813, 12.8375



13.0361, 13.8813, 12.1381

Sweetspot

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



12.4552, 13.8819, 17.6460



26.2043, 28.0564, 32.0098



12.2217, 14.8241, 13.2236



6.0289, 6.4634, 7.3995



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.



12.4552, 13.8819, 17.6460



21.2519, 23.9680, 31.4817



11.3575, 11.6865, 17.2801



3.4049, 3.6751, 4.2841



6.9195, 8.4294, 18.9839



33.7426, 40.5371, 94.3252

Inverse Universe

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



13.1204, 11.8849, 15.5130



22.6676, 19.8179, 26.9198



13.9396, 14.8168, 11.7984



3.4791, 3.4393, 4.0494



9.5110, 4.6968, 9.7668



47.0117, 23.2500, 46.7212

Previews

White Background



This preview shows how the XYZ color 12.4548, 13.8813, 17.6457 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 12.4548, 13.8813, 17.6457 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

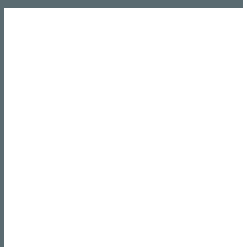
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4548, 13.8813, 17.6457

Background



This preview shows how black text looks on a background with the XYZ color 12.4548, 13.8813, 17.6457.



This preview shows how white text looks on a background with the XYZ color 12.4548, 13.8813,

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

12.4548, 13.8813, 17.6457

Protanopia

13.4284, 13.7912, 16.9931

Deuteranopia

13.9976, 13.7735, 17.8404



Tritanopia

12.5687, 13.9269, 18.2454

Trichromacy



Original Color

12.4548, 13.8813, 17.6457

Protanomaly

13.0205, 13.7231, 17.2918

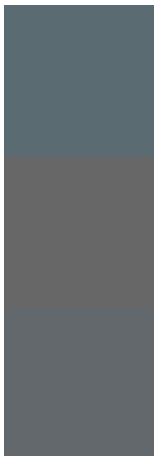
Deuteranomaly

13.3670, 13.7402, 17.8672

Tritanomaly

12.5114, 13.9040, 17.9439

Monochromacy



Original Color

12.4548, 13.8813, 17.6457

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6412, 13.5588, 15.8608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4548, 13.8813, 17.6457 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(90, 107, 113) looks like.

```
.text, #text, p{  
    color:rgb(90, 107, 113)  
}
```

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(90, 107, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 107, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.4548, 13.8813, 17.6457 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(90, 107, 113) }
```


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

```
.border{ border-color:rgb(90, 107, 113) }
```

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

Here you see how a box with a 4 pixel rgb(90, 107, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 107, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 107, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 107,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4548, 13.8813, 17.6457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 107, 113) }
```

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

```
.background{ background-color: rgb(90, 107,  
113) }
```

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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