

Converting Colors

XYZ(11.7731, 12.6618, 17.5598)

Have a look what the booklet for
XYZ(11.7731, 12.6618, 17.5598)
contains.

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Color

**XYZ(11.7541, 12.6235,
17.4398)**

Conversions

Conversions Part 1

Format	Color
Hex	596571
RGB	89, 101, 113
RGB Percent	35%, 40%, 44%
CMY	0.6510, 0.6039, 0.5569
CMYK	0.21, 0.11, 0.00, 0.56
HSL	210°, 12%, 40%
HSV	210°, 21%, 44%
XYZ	11.7541, 12.6235, 17.4398
YIQ	98.7800, -11.0040, 1.1880

Conversions

Conversions Part 2

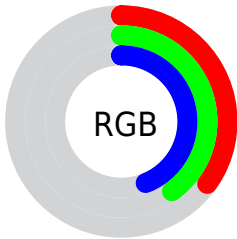
Format	Color
R_{YB}	89, 97, 113
Decimal	5858673
CIE Lab	42.19, -1.71, -8.29
CIE LCh	42, 8.462, 258.321
Yxy	12.6235, 0.2811, 0.3019
Android (android.graphics.Color)	4284048753 (0xFF596571)
YUV	98.7800, 7.0105, -8.5771
Hunter-Lab	35.5296, -3.1243, -4.2320

Details

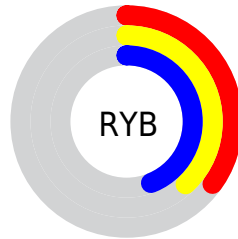
The XYZ color **11.7541, 12.6235, 17.4398** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2668, 13.5391, 11.3654**, and the grayscale version is **11.7896, 12.4036, 13.5075**.

A 20% lighter version of the original color is **28.6672, 30.6621, 40.0048**, and **3.2696, 3.5336, 5.5108** is the 20% darker color. If you saturate the color by 10%, you get **10.2222, 11.0476, 17.2166**, and if you desaturate by 10%, it is **13.4910, 14.3617, 17.6840**.

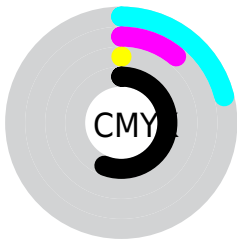
Distribution



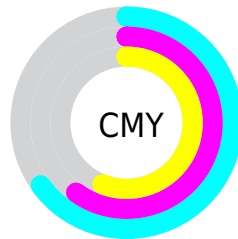
- Red (35%)
- Green (40%)
- Blue (44%)



- Red (35%)
- Yellow (38%)
- Blue (44%)



- Cyan (21%)
- Magenta (11%)
- Yellow (0%)
- Black (56%)



- Cyan (65%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7541, 12.6235, 17.4398 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 11.7541, 12.6235, 17.4398 by changing the saturation by 10% instead.

■ 11.7541, 12.6235,
17.4398

■ 11.7541, 12.6235,
17.4398

196.5738,
208.4904, 249.8234

■ 6.6475, 7.1698,
10.3833

■ 28.6672, 30.6257,
39.8814

■ 3.2870, 3.5685,
5.5449

■ 41.2044, 43.9430,
56.1035

■ 1.3073, 1.4353,
2.5061

■ 56.9492, 60.6503,
76.2179

■ 0.1887, 0.2425,
0.8434

■ 76.2668, 81.1320,
100.6432

■ 0.0000, 0.0000,
0.0000

■ 99.5228, 105.7724,
129.7979

127.0824,

134.9561, 164.1004

159.3109,
169.0673, 203.9694

■ 11.7541, 12.6235,
17.4398

■ 11.7541, 12.6235,
17.4398

■ 10.2222, 11.0476,
17.2166

■ 13.4910, 14.3617,
17.6840

■ 8.8858, 9.6271,
17.0128

■ 15.4395, 16.2657,
17.9488

■ 7.7364, 8.3566,
16.8282

■ 17.6074, 18.3409,
18.2351

■ 6.7642, 7.2300,
16.6620

■ 20.0017, 20.5921,
18.5434

■ 5.9586, 6.2407,
16.5135

■ 22.6291, 23.0235,
18.8742

■ 5.3078, 5.3811,
16.3818

■ 25.4961, 25.6395,
19.2281

■ 4.7980, 4.6429,
16.2662

■ 28.6087, 28.4443,
19.6054

■ 4.4197, 4.0703,
16.1756

■ 31.9729, 31.4417,
20.0066

■ 35.5943, 34.6358,
20.4323

Harmonies

Analogous

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



11.2087, 12.6235, 16.5095



11.7541, 12.6235, 17.4398



12.3840, 12.6235, 17.3179

Triad

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



11.7541, 12.6235, 17.4398



13.1884, 12.6235, 12.6804



11.1139, 12.6235, 11.5595

Complementary

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



11.7541, 12.6235, 17.4398



13.2668, 13.5391, 11.3654

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.



11.6206, 12.6235, 10.7005



11.7541, 12.6235, 17.4398



12.8240, 12.6235, 11.3075

Square

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



11.7541, 12.6235, 17.4398



13.2272, 12.6235, 14.4610



12.2458, 12.6235, 10.6125



10.8479, 12.6235, 13.0528

Rectangle

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



11.7541, 12.6235, 17.4398



12.7671, 12.6235, 16.6580



12.2458, 12.6235, 10.6125



11.2609, 12.6235, 11.1928

Sweetspot

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



11.7545, 12.6240, 17.4401



25.8814, 27.4106, 31.9022



12.3545, 14.8660, 14.4278



5.9489, 6.3034, 7.3729



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.



11.7545, 12.6240, 17.4401



19.7886, 21.3199, 31.0477



10.7063, 10.5278, 17.0907



3.3426, 3.5504, 4.2633



4.9935, 4.5774, 18.3419



24.0123, 21.0764, 91.0817

Inverse Universe

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



12.7316, 11.5952, 13.8797



21.8611, 19.2352, 23.4746



14.4740, 15.9533, 11.7678



3.4476, 3.4267, 3.8836



8.5388, 4.3079, 4.6475



42.1003, 21.2854, 20.8579

Previews

White Background



This preview shows how the XYZ color 11.7541, 12.6235, 17.4398 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 11.7541, 12.6235, 17.4398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

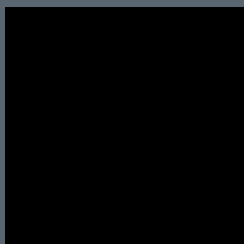
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

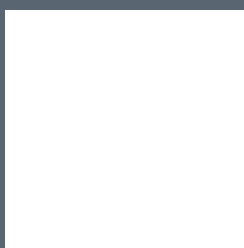
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7541, 12.6235, 17.4398

Background



This preview shows how black text looks on a background with the XYZ color 11.7541, 12.6235, 17.4398.

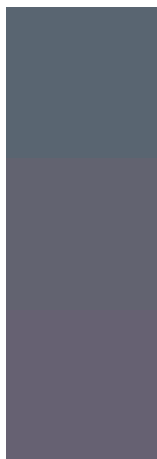


This preview shows how white text looks on a background with the XYZ color 11.7541, 12.6235,

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

11.7541, 12.6235, 17.4398

Protanopia

12.4235, 12.6902, 17.1239

Deuteranopia

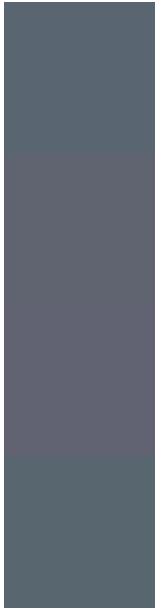
12.7914, 12.5891, 17.6753



Tritanopia

11.5903, 12.7032, 16.5929

Trichromacy



Original Color

11.7541, 12.6235, 17.4398

Protanomaly

12.2011, 12.7171, 17.1408

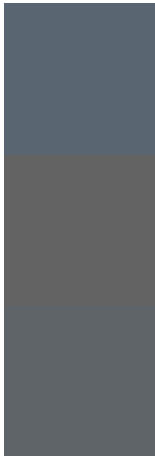
Deuteranomaly

12.3347, 12.4917, 17.6806

Tritanomaly

11.6451, 12.7251, 16.8814

Monochromacy



Original Color

11.7541, 12.6235, 17.4398

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7752, 12.5467, 14.8978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7541, 12.6235, 17.4398 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(89, 101, 113) looks like.

```
.text, #text, p{  
    color:rgb(89, 101, 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(89, 101, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 101, 113) }
```

Border

The CSS property to change the border of an element to XYZ 11.7541, 12.6235, 17.4398 is called "border". The border property can be set on classes, ids or directly on the HTML element.

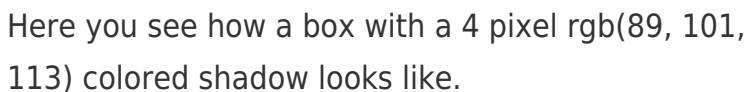
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 101, 113) }
```


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

```
.border{ border-color:rgb(89, 101, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 101, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 101, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 101, 113);  
box-shadow:4px 4px 4px 4px rgb(89, 101,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7541, 12.6235, 17.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 101, 113) }
```

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

```
.background{ background-color: rgb(89, 101,  
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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