

Converting Colors

XYZ(12.5843, 13.8080, 16.7316)

Have a look what the booklet for
XYZ(12.5843, 13.8080, 16.7316)
contains.

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Color

**XYZ(12.5846, 13.8135,
16.7549)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6A6E
RGB	94, 106, 110
RGB Percent	37%, 42%, 43%
CMY	0.6314, 0.5843, 0.5686
CMYK	0.15, 0.04, 0.00, 0.57
HSL	195°, 8%, 40%
HSV	195°, 15%, 43%
XYZ	12.5846, 13.8135, 16.7549
YIQ	102.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

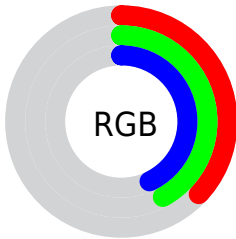
Format	Color
R_{YB}	94, 101, 110
Decimal	6187630
CIE _{Lab}	43.96, -3.63, -3.79
CIE _{LCh}	44, 5.243, 226.256
Yxy	13.8135, 0.2916, 0.3201
Android (android.graphics.Color)	4284377710 (0xFF5E6A6E)
YUV	102.8680, 3.5161, -7.7772
Hunter-Lab	37.1665, -4.6012, -0.7117

Details

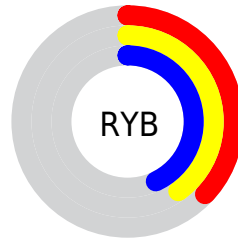
The XYZ color **12.5846, 13.8135, 16.7549** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8186, 12.8586, 12.3963**, and the grayscale version is **12.8501, 13.5194, 14.7226**.

A 20% lighter version of the original color is **30.0802, 32.6519, 38.8995**, and **3.6801, 4.1152, 5.3030** is the 20% darker color. If you saturate the color by 10%, you get **11.2573, 12.7158, 16.6132**, and if you desaturate by 10%, it is **14.0825, 15.0135, 16.9078**.

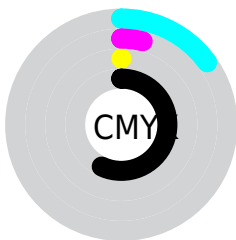
Distribution



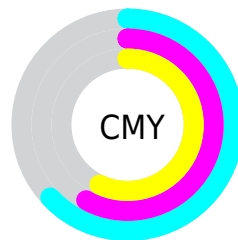
- Red (37%)
- Green (42%)
- Blue (43%)



- Red (37%)
- Yellow (40%)
- Blue (43%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (57%)



- Cyan (63%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5846, 13.8135, 16.7549 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 12.5846, 13.8135, 16.7549 by changing the saturation by 10% instead.

■ 12.5846, 13.8135,
16.7549

■ 12.5846, 13.8135,
16.7549

201.9299,
216.0675, 245.7519

■ 7.2181, 7.9911,
9.8998

■ 30.1632, 32.7577,
38.6887

■ 3.6464, 4.0892,
5.2278

■ 43.1060, 46.6483,
54.6045

■ 1.5041, 1.7236,
2.3205

■ 59.3050, 63.9971,
74.3777

■ 0.3286, 0.4389,
0.7427

■ 79.1255, 85.1885,
98.4266

■ 0.0000, 0.0000,
0.0000

102.9329,
110.6068, 127.1700

131.0925,

140.6365, 161.0263

163.9697,
175.6619, 200.4141

■ 12.5846, 13.8135,
16.7549

■ 12.5846, 13.8135,
16.7549

■ 11.2573, 12.7158,
16.6132

■ 14.0825, 15.0135,
16.9078

■ 10.0927, 11.7148,
16.4814

■ 15.7564, 16.3174,
17.0712

■ 9.0838, 10.8074,
16.3594

■ 17.6127, 17.7290,
17.2459

■ 8.2226, 9.9893,
16.2469

■ 19.6572, 19.2516,
17.4320

■ 7.5006, 9.2559,
16.1434

■ 21.8955, 20.8880,
17.6299

■ 6.9081, 8.6021,
16.0484

■ 24.3329, 22.6412,
17.8398

■ 6.4343, 8.0222,
15.9614

■ 26.9744, 24.5138,
18.0620

■ 6.0606, 7.5065,
15.8816

■ 29.8251, 26.5085,
18.2968

■ 5.8703, 7.2374,
15.8397

■ 32.8895, 28.6278,
18.5444

Harmonies

Analogous

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



12.3771, 13.8135, 15.6902



12.5846, 13.8135, 16.7549



12.9404, 13.8135, 17.3745

Triad

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



12.5846, 13.8135, 16.7549



13.9208, 13.8135, 15.5908



12.9069, 13.8135, 12.9491

Complementary

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



12.5846, 13.8135, 16.7549



12.8186, 12.8586, 12.3963

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.



13.3201, 13.8135, 12.9256



12.5846, 13.8135, 16.7549



13.9114, 13.8135, 14.4091

Square

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



12.5846, 13.8135, 16.7549



13.7150, 13.8135, 16.6788



13.6895, 13.8135, 13.4473



12.5605, 13.8135, 13.5133

Rectangle

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



12.5846, 13.8135, 16.7549



13.2166, 13.8135, 17.4317



13.6895, 13.8135, 13.4473



13.0424, 13.8135, 12.8788

Sweetspot

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



12.5850, 13.8141, 16.7552



24.8536, 26.4627, 29.7051



12.3843, 14.4087, 13.6181



5.7443, 6.1270, 6.9086



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.5850, 13.8141, 16.7552



21.3931, 23.6809, 29.3506



11.8235, 12.2911, 16.5014



3.4078, 3.6809, 4.2851



7.0285, 8.6472, 19.0202



34.3026, 41.6572, 94.5118

Inverse Universe

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



13.0350, 12.3613, 15.3352



22.3296, 20.7009, 26.3853



13.5777, 14.3766, 12.6493



3.4805, 3.4399, 4.0571



9.5660, 4.7188, 10.0563



47.2944, 23.3631, 48.2097

Previews

White Background



This preview shows how the XYZ color 12.5846, 13.8135, 16.7549 looks on a white background.

Color Contrast Check

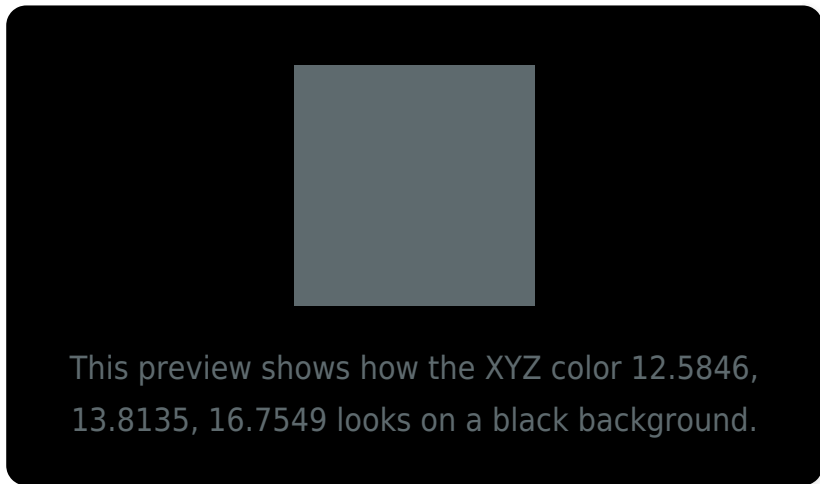
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

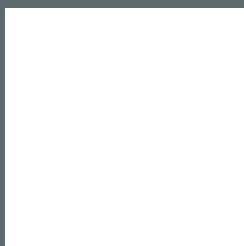
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5846, 13.8135, 16.7549

Background



This preview shows how black text looks on a background with the XYZ color 12.5846, 13.8135, 16.7549.



This preview shows how white text looks on a background with the XYZ color 12.5846, 13.8135,

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

12.5846, 13.8135, 16.7549

Protanopia

13.2659, 13.7263, 16.1376

Deuteranopia

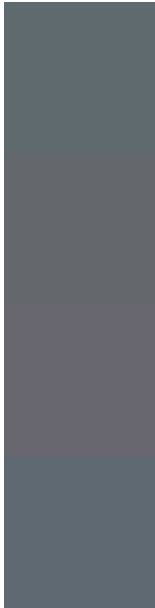
13.9533, 13.7701, 16.9614



Tritanopia

12.8082, 13.7510, 17.8987

Trichromacy



Original Color

12.5846, 13.8135, 16.7549

Protanomaly

12.9662, 13.7141, 16.4317

Deuteranomaly

13.4284, 13.7912, 16.9931

Tritanomaly

12.7515, 13.7283, 17.6005

Monochromacy



Original Color

12.5846, 13.8135, 16.7549

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8074, 13.6506, 15.5955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5846, 13.8135, 16.7549 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(94, 106, 110) looks like.

```
.text, #text, p{  
    color:rgb(94, 106, 110)  
}
```

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(94, 106, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 106, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.5846, 13.8135, 16.7549 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(94, 106, 110) }
```


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

```
.border{ border-color:rgb(94, 106, 110) }
```

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

Here you see how a box with a 4 pixel rgb(94, 106, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 106, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 106, 110);  
box-shadow:4px 4px 4px 4px rgb(94, 106,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5846, 13.8135, 16.7549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 106, 110) }
```

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

```
.background{ background-color: rgb(94, 106,  
110) }
```

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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