

Converting Colors

XYZ(12.5502, 14.3083, 18.2446)

Have a look what the booklet for
XYZ(12.5502, 14.3083, 18.2446)
contains.

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Color

**XYZ(12.4936, 14.2013,
18.3023)**

Conversions

Conversions Part 1

Format	Color
Hex	576D73
RGB	87, 109, 115
RGB Percent	34%, 43%, 45%
CMY	0.6588, 0.5725, 0.5490
CMYK	0.24, 0.05, 0.00, 0.55
HSL	193°, 14%, 40%
HSV	193°, 24%, 45%
XYZ	12.4936, 14.2013, 18.3023
YIQ	103.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

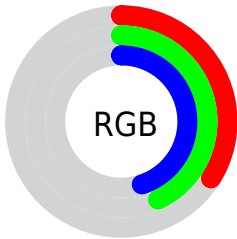
Format	Color
RYB	87, 99, 115
Decimal	5729651
CIELab	44.52, -6.64, -6.03
CIELCh	45, 8.969, 222.264
Yxy	14.2013, 0.2777, 0.3156
Android (android.graphics.Color)	4283919731 (0xFF576D73)
YUV	103.1060, 5.8637, -14.1250
Hunter-Lab	37.6846, -6.7699, -2.4162

Details

The XYZ color **12.4936, 14.2013, 18.3023** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7050, 12.1617, 10.6949**, and the grayscale version is **12.9083, 13.5805, 14.7892**.

A 20% lighter version of the original color is **29.8624, 33.2500, 41.4032**, and **3.6108, 4.3016, 5.9502** is the 20% darker color. If you saturate the color by 10%, you get **11.2453, 13.1734, 18.1699**, and if you desaturate by 10%, it is **13.9212, 15.3333, 18.4458**.

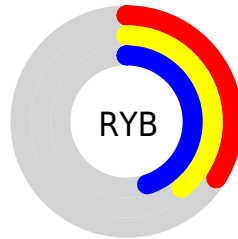
Distribution



Red (34%)

Green (43%)

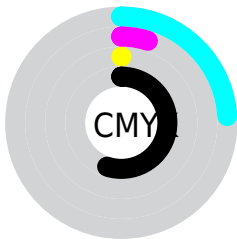
Blue (45%)



Red (34%)

Yellow (39%)

Blue (45%)

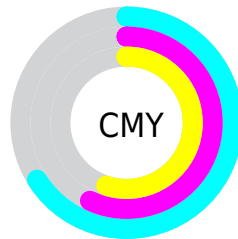


Cyan (24%)

Magenta (5%)

Yellow (0%)

Black (55%)



Cyan (66%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4936, 14.2013, 18.3023 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 12.4936, 14.2013, 18.3023 by changing the saturation by 10% instead.

■ 12.4936, 14.2013,
18.3023

■ 12.4936, 14.2013,
18.3023

201.3501,
218.4796, 254.8626

■ 7.1554, 8.2608,
10.9956

■ 30.0001, 33.4458,
41.3726

■ 3.6066, 4.2623,
5.9497

■ 42.8990, 47.5186,
57.9733

■ 1.4821, 1.8213,
2.7462

■ 59.0489, 65.0709,
78.5091

■ 0.3136, 0.5004,
0.9666

■ 78.8151, 86.4871,
103.3984

■ 0.0000, 0.0000,
0.0000

■ 102.5630,
112.1518, 133.0599

130.6579,

142.4491, 167.9120

163.4651,
177.7636, 208.3734

■ 12.4936, 14.2013,
18.3023

■ 12.4936, 14.2013,
18.3023

■ 11.2453, 13.1734,
18.1699

■ 13.9212, 15.3333,
18.4458

■ 10.1668, 12.2435,
18.0473

■ 15.5345, 16.5717,
18.5998

■ 9.2499, 11.4077,
17.9343

■ 17.3410, 17.9208,
18.7650

■ 8.4849, 10.6609,
17.8305

■ 19.3475, 19.3842,
18.9417

■ 7.8610, 9.9974,
17.7353

■ 21.5604, 20.9652,
19.1302

7.3663, 9.4110,
17.6482

23.9858, 22.6673,
19.3309

6.9820, 8.8919,
17.5682

26.6297, 24.4933,
19.5440

6.7815, 8.6116,
17.5247

29.4977, 26.4465,
19.7699

32.5952, 28.5295,
20.0087

Harmonies

Analogous

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



12.1827, 14.2013, 16.3253



12.4936, 14.2013, 18.3023



13.0782, 14.2013, 19.5798

Triad

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



12.4936, 14.2013, 18.3023



14.8678, 14.2013, 16.7095



13.2044, 14.2013, 11.8847

Complementary

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



12.4936, 14.2013, 18.3023



12.7050, 12.1617, 10.6949

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.



13.9265, 14.2013, 11.9676



12.4936, 14.2013, 18.3023



14.9045, 14.2013, 14.6313

Square

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



12.4936, 14.2013, 18.3023



14.4560, 14.2013, 18.6052



14.5546, 14.2013, 12.9333



12.5831, 14.2013, 12.6958

Rectangle

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



12.4936, 14.2013, 18.3023



13.5530, 14.2013, 19.7988



14.5546, 14.2013, 12.9333



13.4430, 14.2013, 11.8112

Sweetspot

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



12.4940, 14.2019, 18.3026



26.9632, 29.0256, 33.2259



12.0196, 15.0712, 12.5390



6.4042, 6.9029, 7.9238



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.



12.4940, 14.2019, 18.3026



21.1231, 24.4113, 32.6430



11.1536, 11.5210, 17.8558



3.7199, 4.0285, 4.6718



7.7368, 9.8133, 20.0289



37.0615, 46.5396, 97.3900

Inverse Universe

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



13.2391, 11.5656, 16.0033



22.7149, 18.9307, 27.6962



14.0069, 14.7654, 11.1288



3.7947, 3.7451, 4.4455



10.2023, 5.0146, 11.5395



49.3937, 24.3076, 54.5298

Previews

White Background



This preview shows how the XYZ color 12.4936, 14.2013, 18.3023 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 12.4936, 14.2013, 18.3023 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

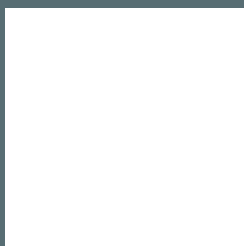
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4936, 14.2013, 18.3023

Background



This preview shows how black text looks on a background with the XYZ color 12.4936, 14.2013, 18.3023.



This preview shows how white text looks on a background with the XYZ color 12.4936, 14.2013,

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

12.4936, 14.2013, 18.3023

Protanopia

13.7006, 14.0737, 17.3236

Deuteranopia

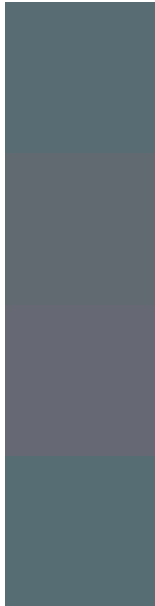
14.3342, 14.0787, 18.4850



Tritanopia

12.6100, 14.2479, 18.9151

Trichromacy



Original Color

12.4936, 14.2013, 18.3023

Protanomaly

13.1717, 14.0970, 17.6496

Deuteranomaly

13.6835, 14.1889, 18.5405

Tritanomaly

12.5515, 14.2245, 18.6071

Monochromacy



Original Color

12.4936, 14.2013, 18.3023

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6352, 13.7061, 15.8895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4936, 14.2013, 18.3023 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(87, 109, 115)` looks like.

```
.text, #text, p{  
    color:rgb(87, 109, 115)  
}
```

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(87, 109, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 109, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.4936, 14.2013, 18.3023 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(87, 109, 115) }
```


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

```
.border{ border-color:rgb(87, 109, 115) }
```

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

Here you see how a box with a 4 pixel rgb(87, 109, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 109, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 109, 115);  
box-shadow:4px 4px 4px 4px rgb(87, 109,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4936, 14.2013, 18.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 109, 115) }
```

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

```
.background{ background-color: rgb(87, 109,  
115) }
```

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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