

Converting Colors

XYZ(12.9390, 14.0968, 18.5355)

Have a look what the booklet for
XYZ(12.9390, 14.0968, 18.5355)
contains.

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Color

**XYZ(12.9243, 14.1035,
18.5641)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6B74
RGB	93, 107, 116
RGB Percent	36%, 42%, 45%
CMY	0.6353, 0.5804, 0.5451
CMYK	0.20, 0.08, 0.00, 0.55
HSL	203°, 11%, 41%
HSV	203°, 20%, 45%
XYZ	12.9243, 14.1035, 18.5641
YIQ	103.8400, -11.2330, -0.1690

Conversions

Conversions Part 2

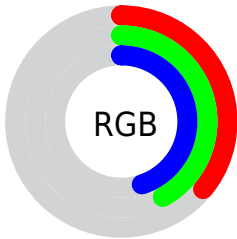
Format	Color
R _Y B	93, 102, 116
Decimal	6122356
CIE Lab	44.38, -3.15, -6.80
CIE LCh	44, 7.490, 245.140
Yxy	14.1035, 0.2835, 0.3093
Android (android.graphics.Color)	4284312436 (0xFF5D6B74)
YUV	103.8400, 5.9949, -9.5067
Hunter-Lab	37.5546, -4.2904, -3.0201

Details

The XYZ color **12.9243, 14.1035, 18.5641** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9298, 14.0061, 12.3255**, and the grayscale version is **13.1023, 13.7847, 15.0115**.

A 20% lighter version of the original color is **30.7963, 33.2102, 41.8328**, and **3.8315, 4.2534, 6.0879** is the 20% darker color. If you saturate the color by 10%, you get **11.3774, 12.6222, 18.3600**, and if you desaturate by 10%, it is **14.6751, 15.7274, 18.7855**.

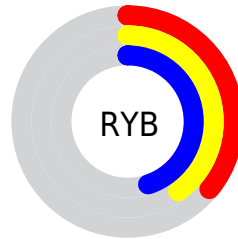
Distribution



Red (36%)

Green (42%)

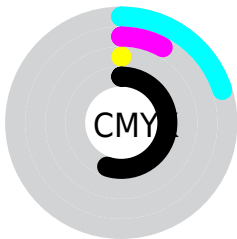
Blue (45%)



Red (36%)

Yellow (40%)

Blue (45%)

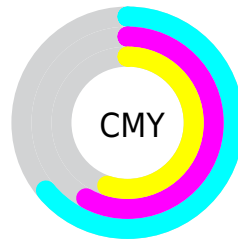


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (55%)



Cyan (64%)

Magenta (58%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9243, 14.1035, 18.5641 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 12.9243, 14.1035, 18.5641 by changing the saturation by 10% instead.

■ 12.9243, 14.1035,
18.5641

■ 12.9243, 14.1035,
18.5641

204.0794,
217.8738, 256.3737

■ 7.4531, 8.1927,
11.1821

■ 30.7702, 33.2726,
41.8231

■ 3.7959, 4.2185,
6.0738

■ 43.8756, 47.2996,
58.5371

■ 1.5873, 1.7965,
2.8205

■ 60.2564, 64.8008,
79.1990

■ 0.3841, 0.4850,
1.0037

■ 80.2780, 86.1607,
104.2271

■ 0.0000, 0.0000,
0.0000

104.3057,
111.7635, 134.0401

132.7050,

141.9937, 169.0565

165.8411,
177.2356, 209.6949

■ 12.9243, 14.1035,
18.5641

■ 12.9243, 14.1035,
18.5641

■ 11.3774, 12.6222,
18.3600

■ 14.6751, 15.7274,
18.7855

■ 10.0246, 11.2771,
18.1716

■ 16.6363, 17.4969,
19.0237

■ 8.8575, 10.0633,
17.9988

■ 18.8158, 19.4169,
19.2794

■ 7.8662, 8.9754,
17.8411

■ 21.2206, 21.4915,
19.5531

■ 7.0400, 8.0071,
17.6977

■ 23.8574, 23.7247,
19.8452

■ 6.3670, 7.1517,
17.5681

■ 26.7327, 26.1204,
20.1560

■ 5.8332, 6.4015,
17.4514

■ 29.8527, 28.6822,
20.4861

■ 5.3888, 5.7299,
17.3452

■ 33.2233, 31.4137,
20.8357

■ 5.3813, 5.7187,
17.3435

■ 36.8501, 34.3182,
21.2051

Harmonies

Analogous

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



12.4807, 14.1035, 17.3440



12.9243, 14.1035, 18.5641



13.5089, 14.1035, 18.8995

Triad

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



12.9243, 14.1035, 18.5641



14.5909, 14.1035, 15.0613



12.7498, 14.1035, 12.8024

Complementary

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



12.9243, 14.1035, 18.5641



13.9298, 14.0061, 12.3255

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.



13.3015, 14.1035, 12.2862



12.9243, 14.1035, 18.5641



14.3737, 14.1035, 13.5266

Square

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



12.9243, 14.1035, 18.5641



14.4826, 14.1035, 16.7922



13.8974, 14.1035, 12.5411



12.3821, 14.1035, 14.0047

Rectangle

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



12.9243, 14.1035, 18.5641



13.9026, 14.1035, 18.5563



13.8974, 14.1035, 12.5411



12.9193, 14.1035, 12.5471

Sweetspot

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



12.9247, 14.1041, 18.5644



27.0189, 28.7584, 33.1714



13.1491, 15.7739, 14.8747



6.4070, 6.8257, 7.9088



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.



12.9247, 14.1041, 18.5644



21.3750, 23.5163, 32.4570



11.8209, 11.8965, 18.1965



3.6687, 3.9261, 4.6547



6.0207, 6.3811, 19.4569



28.4884, 29.3933, 94.5323

Inverse Universe

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



13.7710, 12.6036, 15.6175



23.1835, 20.4255, 26.1336



15.1190, 16.3847, 12.7220



3.7688, 3.7348, 4.3094



9.3361, 4.6682, 6.9781



45.0664, 22.5767, 31.7425

Previews

White Background



This preview shows how the XYZ color 12.9243, 14.1035, 18.5641 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 12.9243, 14.1035, 18.5641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

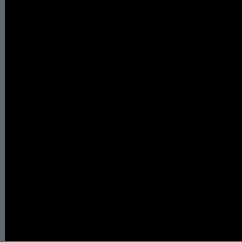
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

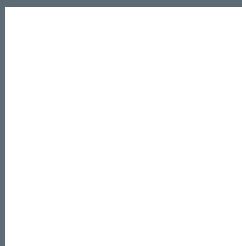
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9243, 14.1035, 18.5641

Background



This preview shows how black text looks on a background with the XYZ color 12.9243, 14.1035, 18.5641.



This preview shows how white text looks on a background with the XYZ color 12.9243, 14.1035,

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

12.9243, 14.1035, 18.5641

Protanopia

13.6965, 14.0586, 17.9113

Deuteranopia

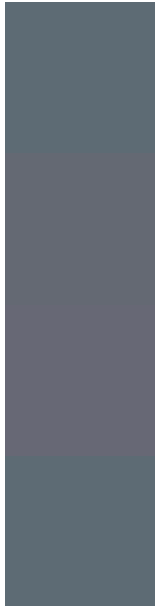
14.2689, 14.0383, 18.7872



Tritanopia

12.9243, 14.1035, 18.5641

Trichromacy



Original Color

12.9243, 14.1035, 18.5641

Protanomaly

13.4016, 14.0503, 18.2253

Deuteranomaly

13.7547, 14.0685, 18.8202

Tritanomaly

12.9243, 14.1035, 18.5641

Monochromacy



Original Color

12.9243, 14.1035, 18.5641

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0139, 13.8952, 16.1835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9243, 14.1035, 18.5641 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(93, 107, 116) looks like.

```
.text, #text, p{  
    color:rgb(93, 107, 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(93, 107, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 107, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.9243, 14.1035, 18.5641 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(93, 107, 116) }
```


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

```
.border{ border-color:rgb(93, 107, 116) }
```

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

Here you see how a box with a 4 pixel rgb(93, 107, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 107, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 107, 116);  
box-shadow:4px 4px 4px 4px rgb(93, 107,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9243, 14.1035, 18.5641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 107, 116) }
```

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

```
.background{ background-color: rgb(93, 107,  
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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