

Converting Colors

XYZ(12.3461, 14.9230, 18.6897)

Have a look what the booklet for
XYZ(12.3461, 14.9230, 18.6897)
contains.

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Color

**XYZ(12.3941, 14.9578,
18.7569)**

Conversions

Conversions Part 1

Format	Color
Hex	4F7274
RGB	79, 114, 116
RGB Percent	31%, 45%, 45%
CMY	0.6902, 0.5529, 0.5451
CMYK	0.32, 0.02, 0.00, 0.55
HSL	183°, 19%, 38%
HSV	183°, 32%, 45%
XYZ	12.3941, 14.9578, 18.7569
YIQ	103.7630, -21.5020, -6.7980

Conversions

Conversions Part 2

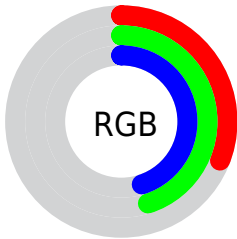
Format	Color
RYB	79, 97, 116
Decimal	5206644
CIELab	45.58, -11.87, -5.12
CIELCh	46, 12.922, 203.328
Yxy	14.9578, 0.2688, 0.3244
Android (android.graphics.Color)	4283396724 (0xFF4F7274)
YUV	103.7630, 6.0328, -21.7172
Hunter-Lab	38.6753, -10.4787, -1.6820

Details

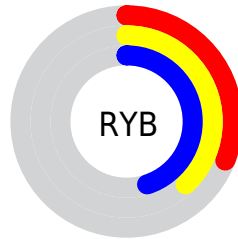
The XYZ color **12.3941, 14.9578, 18.7569** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5563, 10.1624, 8.7498**, and the grayscale version is **13.0836, 13.7650, 14.9900**.

A 20% lighter version of the original color is **29.9100, 34.8454, 42.1952**, and **3.5567, 4.6051, 6.1703** is the 20% darker color. If you saturate the color by 10%, you get **11.4419, 14.3627, 18.6925**, and if you desaturate by 10%, it is **13.5161, 15.6419, 18.8301**.

Distribution



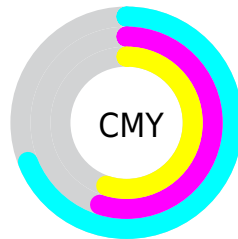
- Red (31%)
- Green (45%)
- Blue (45%)



- Red (31%)
- Yellow (38%)
- Blue (45%)



- Cyan (32%)
- Magenta (2%)
- Yellow (0%)
- Black (55%)



- Cyan (69%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3941, 14.9578, 18.7569 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 12.3941, 14.9578, 18.7569 by changing the saturation by 10% instead.

■ 12.3941, 14.9578,
18.7569

■ 12.3941, 14.9578,
18.7569

200.7142,
223.1107, 257.4813

■ 7.0868, 8.7898,
11.3197

■ 29.8215, 34.7791,
42.1541

■ 3.5632, 4.6043,
6.1654

■ 42.6724, 49.2012,
58.9513

■ 1.4581, 2.0170,
2.8755

■ 58.7684, 67.1435,
79.7054

■ 0.2971, 0.6173,
1.0314

■ 78.4750, 88.9902,
104.8352

■ 0.0000, 0.0000,
0.0000

■ 102.1575,
115.1260, 134.7592

130.1814,

145.9350, 169.8958

162.9118,
181.8018, 210.6636

■ 12.3941, 14.9578,
18.7569

■ 12.3941, 14.9578,
18.7569

■ 11.4419, 14.3627,
18.6925

■ 13.5161, 15.6419,
18.8301

■ 10.6494, 13.8503,
18.6353

■ 14.8147, 16.4173,
18.9113

■ 10.0075, 13.4162,
18.5854

■ 16.2979, 17.2887,
19.0013

■ 9.5056, 13.0551,
18.5421

■ 17.9728, 18.2596,
19.1004

■ 9.1319, 12.7607,
18.5050

■ 19.8463, 19.3336,
19.2090

■ 8.8722, 12.5259,
18.4734

■ 21.9247, 20.5140,
19.3273

■ 8.6998, 12.3556,
18.4496

■ 24.2143, 21.8039,
19.4556

■ 26.7209, 23.2065,
19.5942

■ 29.4501, 24.7246,
19.7434

Harmonies

Analogous

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



12.2526, 14.9578, 15.6053



12.3941, 14.9578, 18.7569



13.0125, 14.9578, 21.5374

Triad

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



12.3941, 14.9578, 18.7569



15.9484, 14.9578, 20.1028



14.4596, 14.9578, 11.0650

Complementary

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



12.3941, 14.9578, 18.7569



11.5563, 10.1624, 8.7498

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.



15.4935, 14.9578, 11.9670



12.3941, 14.9578, 18.7569



16.3808, 14.9578, 16.9873

Square

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



12.3941, 14.9578, 18.7569



15.0552, 14.9578, 22.3806



16.2103, 14.9578, 14.0431



13.4104, 14.9578, 11.4131

Rectangle

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



12.3941, 14.9578, 18.7569



13.6295, 14.9578, 22.6738



16.2103, 14.9578, 14.0431



14.8210, 14.9578, 11.2278

Sweetspot

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



12.3945, 14.9584, 18.7572



26.4469, 29.0982, 33.2671



10.9497, 14.7451, 10.0244



6.2434, 6.9029, 7.9323



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.



12.3945, 14.9584, 18.7572



20.5739, 25.5384, 32.8896



10.5281, 11.2255, 18.1351



3.7672, 4.1230, 4.6875



9.7587, 13.8570, 20.7029



47.3505, 67.1177, 100.8197

Inverse Universe

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



13.0360, 10.5202, 17.2637



21.8944, 16.5225, 29.7880



13.1091, 13.2679, 9.2674



3.8185, 3.7547, 4.5710



11.2229, 5.4229, 16.9136



54.5871, 26.3850, 81.8781

Previews

White Background



This preview shows how the XYZ color 12.3941, 14.9578, 18.7569 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 12.3941, 14.9578, 18.7569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

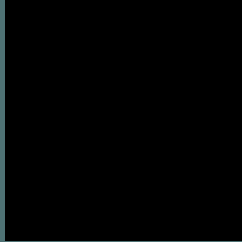
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3941, 14.9578, 18.7569

Background



This preview shows how black text looks on a background with the XYZ color 12.3941, 14.9578, 18.7569.



This preview shows how white text looks on a background with the XYZ color 12.3941, 14.9578,

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

12.3941, 14.9578, 18.7569

Protanopia

14.3667, 14.8734, 17.4429

Deuteranopia

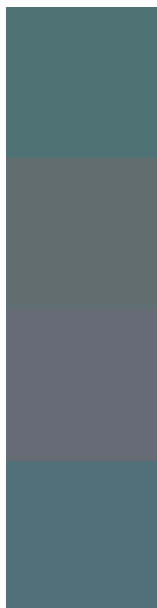
15.1316, 14.9219, 19.2222



Tritanopia

12.7262, 14.9209, 20.6216

Trichromacy



Original Color

12.3941, 14.9578, 18.7569

Protanomaly

13.4863, 14.8855, 17.7852

Deuteranomaly

13.9403, 14.7762, 18.9470

Tritanomaly

12.6036, 14.8718, 19.9756

Monochromacy



Original Color

12.3941, 14.9578, 18.7569

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7887, 14.2407, 16.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3941, 14.9578, 18.7569 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(79, 114, 116)` looks like.

```
.text, #text, p{  
    color:rgb(79, 114, 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(79, 114, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 114, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.3941, 14.9578, 18.7569 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(79, 114, 116) }
```


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

```
.border{ border-color:rgb(79, 114, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 114, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 114, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 114, 116);  
box-shadow:4px 4px 4px 4px rgb(79, 114,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3941, 14.9578, 18.7569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 114, 116) }
```

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

```
.background{ background-color: rgb(79, 114,  
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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