

Converting Colors

XYZ(14.8630, 21.1821, 18.7252)

Have a look what the booklet for
XYZ(14.8630, 21.1821, 18.7252)
contains.

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Color

**XYZ(14.9012, 21.2656,
18.6485)**

Conversions

Conversions Part 1

Format	Color
Hex	478C70
RGB	71, 140, 112
RGB Percent	28%, 55%, 44%
CMY	0.7216, 0.4510, 0.5608
CMYK	0.49, 0.00, 0.20, 0.45
HSL	156°, 33%, 41%
HSV	156°, 49%, 55%
XYZ	14.9012, 21.2656, 18.6485
YIQ	116.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

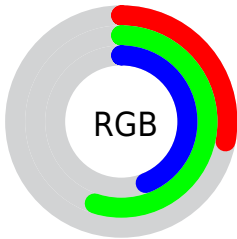
Format	Color
R_{YB}	71, 114, 140
Decimal	4689008
CIE _{Lab}	53.24, -28.84, 8.31
CIE _{LCh}	53, 30.010, 163.926
Yxy	21.2656, 0.2718, 0.3880
Android (android.graphics.Color)	4282879088 (0xFF478C70)
YUV	116.1770, -2.0593, -39.6202
Hunter-Lab	46.1146, -23.0212, 8.3037

Details

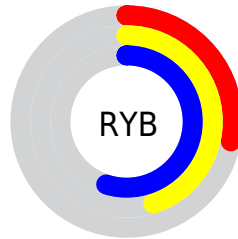
The XYZ color **14.9012, 21.2656, 18.6485** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3212, 10.9832, 13.1175**, and the grayscale version is **16.6684, 17.5364, 19.0971**.

A 20% lighter version of the original color is **34.3048, 45.5490, 42.1057**, and **4.6638, 7.6005, 6.0717** is the 20% darker color. If you saturate the color by 10%, you get **13.6840, 20.6741, 16.9923**, and if you desaturate by 10%, it is **16.3761, 21.9888, 20.4220**.

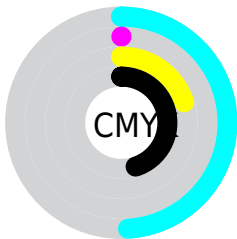
Distribution



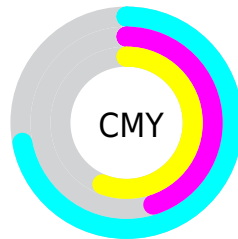
- Red (28%)
- Green (55%)
- Blue (44%)



- Red (28%)
- Yellow (45%)
- Blue (55%)



- Cyan (49%)
- Magenta (0%)
- Yellow (20%)
- Black (45%)



- Cyan (72%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9012, 21.2656, 18.6485 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 14.9012, 21.2656, 18.6485 by changing the saturation by 10% instead.

■ 14.9012, 21.2656,
18.6485

■ 14.9012, 21.2656,
18.6485

216.1677,
258.6867, 256.8591

■ 8.8359, 13.3183,
11.2423

■ 34.2528, 45.5291,
41.9681

■ 4.6906, 7.6481,
6.1139

■ 48.2699, 62.6142,
58.7185

■ 2.0998, 3.8706,
2.8445

■ 65.6683, 83.5139,
79.4208

■ 0.6891, 1.6014,
1.0158

■ 86.8134, 108.6127,
104.4935

■ 0.0000, 0.3586,
0.0000

■ 112.0706,
138.2950, 134.3552

■ 0.0000, 0.0000,
0.0000

141.8051,

172.9451, 169.4243

176.3823,
212.9476, 210.1194

■ 14.9012, 21.2656,
18.6485

■ 14.9012, 21.2656,
18.6485

■ 13.6840, 20.6741,
16.9923

■ 16.3761, 21.9888,
20.4220

■ 12.7060, 20.2031,
15.4491

■ 18.1222, 22.8489,
22.3137

■ 11.9488, 19.8436,
14.0166

■ 20.1542, 23.8540,
24.3268

■ 11.3902, 19.5844,
12.6918

■ 22.4852, 25.0107,
26.4635

■ 10.9754, 19.3971,
11.4699

■ 25.1272, 26.3254,
28.7261

■ 10.9471, 19.3844,
11.3863

■ 28.0919, 27.8039,
31.1169

■ 31.3901, 29.4518,
33.6380

■ 35.0322, 31.2744,
36.2915

■ 39.0283, 33.2769,
39.0795

Harmonies

Analogous

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



16.2706, 21.2656, 12.7174



14.9012, 21.2656, 18.6485



14.8530, 21.2656, 27.6168

Triad

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



14.9012, 21.2656, 18.6485



21.7156, 21.2656, 44.5756



24.9296, 21.2656, 13.0302

Complementary

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



14.9012, 21.2656, 18.6485



15.3212, 10.9832, 13.1175

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.



26.7269, 21.2656, 19.2010



14.9012, 21.2656, 18.6485



24.7442, 21.2656, 38.1462

Square

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



14.9012, 21.2656, 18.6485



18.5707, 21.2656, 44.3141



26.6557, 21.2656, 28.3338



21.9479, 21.2656, 10.1018

Rectangle

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



14.9012, 21.2656, 18.6485



15.5634, 21.2656, 34.3323



26.6557, 21.2656, 28.3338



25.7055, 21.2656, 14.7119

Sweetspot

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



14.9018, 21.2665, 18.6490



37.0985, 42.8310, 44.3566



15.7440, 21.9071, 9.3601



8.3766, 9.7841, 10.0610



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.9018, 21.2665, 18.6490



23.9417, 36.3594, 29.6878



15.8925, 20.3533, 27.9029



5.0883, 5.6548, 5.9862



9.7365, 17.2272, 10.1690



0.0720, 0.1174, 0.1059

Inverse Universe

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



15.3212, 10.9832, 13.1175



24.7770, 16.0562, 18.8019



14.5895, 11.3036, 7.3743



5.1115, 5.0800, 5.6756



10.2712, 5.2186, 3.9327



0.0752, 0.0374, 0.0627

Previews

White Background



This preview shows how the XYZ color 14.9012, 21.2656, 18.6485 looks on a white 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

Black Background



This preview shows how the XYZ color 14.9012, 21.2656, 18.6485 looks on a black 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

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

XYZ 14.9012, 21.2656, 18.6485

Background



This preview shows how black text looks on a background with the XYZ color 14.9012, 21.2656, 18.6485.



This preview shows how white text looks on a background with the XYZ color 14.9012, 21.2656,

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

14.9012, 21.2656, 18.6485

Protanopia

19.8422, 21.0100, 16.3741

Deuteranopia

21.4396, 21.0197, 19.4502



Tritanopia

17.2456, 21.1526, 30.3680

Trichromacy



Original Color

14.9012, 21.2656, 18.6485

Protanomaly

17.3786, 20.6948, 17.2659

Deuteranomaly

18.2809, 20.7202, 19.2556

Tritanomaly

16.3093, 21.1903, 25.7848

Monochromacy



Original Color

14.9012, 21.2656, 18.6485

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.6837, 18.6144, 18.9860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9012, 21.2656, 18.6485 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(71, 140, 112)` looks like.

```
.text, #text, p{  
    color:rgb(71, 140, 112)  
}
```

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(71, 140, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 140, 112) }
```

Border

The CSS property to change the border of an element to XYZ 14.9012, 21.2656, 18.6485 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(71, 140, 112) }
```


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

```
.border{ border-color:rgb(71, 140, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 140, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 140, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 140, 112);  
box-shadow:4px 4px 4px 4px rgb(71, 140,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9012, 21.2656, 18.6485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 140, 112) }
```

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

```
.background{ background-color: rgb(71, 140,  
112) }
```

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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