

# Converting Colors

XYZ(14.2564, 21.7272, 12.6749)

Have a look what the booklet for  
XYZ(14.2564, 21.7272, 12.6749)  
contains.

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# Color

**XYZ(14.2564, 21.7272,  
12.6749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	488F58
RGB	72, 143, 88
RGB Percent	28%, 56%, 35%
CMY	0.7176, 0.4392, 0.6549
CMYK	0.50, 0.00, 0.38, 0.44
HSL	134°, 33%, 42%
HSV	134°, 50%, 56%
XYZ	14.2564, 21.7272, 12.6749
YIQ	115.5010, -24.6610, -32.1570

# Conversions

## Conversions Part 2

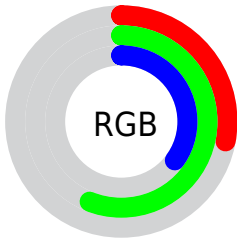
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 130, 143
Decimal	4755288
CIE <sub>Lab</sub>	53.74, -34.93, 22.58
CIE <sub>LCh</sub>	54, 41.591, 147.117
Yxy	21.7272, 0.2930, 0.4465
Android (android.graphics.Color)	4282945368 (0xFF488F58)
YUV	115.5010, -13.5580, -38.1504
Hunter-Lab	46.6124, -26.9776, 16.5065

# Details

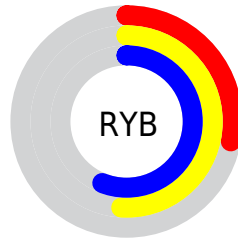
The XYZ color **14.2564, 21.7272, 12.6749** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.4765, 12.0071, 21.4759**, and the grayscale version is **16.4938, 17.3528, 18.8972**.

A 20% lighter version of the original color is **33.0111, 46.1275, 31.2084**, and **4.3934, 7.9000, 3.3911** is the 20% darker color. If you saturate the color by 10%, you get **12.8873, 21.0711, 10.3950**, and if you desaturate by 10%, it is **15.9444, 22.5409, 15.3347**.

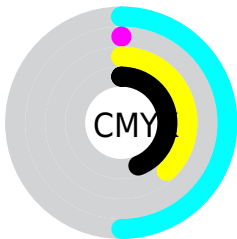
# Distribution



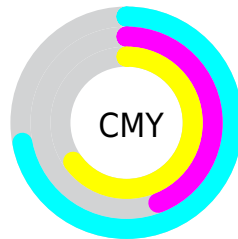
- Red (28%)
- Green (56%)
- Blue (35%)



- Red (28%)
- Yellow (51%)
- Blue (56%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (44%)



- Cyan (72%)
- Magenta (44%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2564, 21.7272, 12.6749 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 14.2564, 21.7272, 12.6749 by changing the saturation by 10% instead.



■ 14.2564, 21.7272,  
12.6749

■ 14.2564, 21.7272,  
12.6749

212.2990,  
261.1183, 219.9577

■ 8.3821, 13.6566,  
7.0770

■ 33.1258, 46.2947,  
31.4011

■ 4.3943, 7.8822,  
3.4311

■ 46.8515, 63.5604,  
45.3664

■ 1.9275, 4.0197,  
1.3188

■ 63.9252, 84.6599,  
62.9579

■ 0.5927, 1.6846,  
0.0771

■ 84.7121, 109.9776,  
84.5942

■ 0.0000, 0.4136,  
0.0000

■ 109.5775,  
139.8979, 110.6938

■ 0.0000, 0.0000,  
0.0000

138.8869,

174.8052, 141.6752

173.0056,  
215.0839, 177.9570

■ 14.2564, 21.7272,  
12.6749

■ 14.2564, 21.7272,  
12.6749

■ 12.8873, 21.0711,  
10.3950

■ 15.9444, 22.5409,  
15.3347

■ 11.8148, 20.5596,  
8.4762

■ 17.9682, 23.5187,  
18.3892

■ 11.0165, 20.1820,  
6.9003


■ 20.3458, 24.6702,  
21.8541


■ 10.4655, 19.9252,  
5.6469


■ 23.0931, 26.0032,  
25.7440


■ 10.0982, 19.7566,  
4.6918


■ 26.2253, 27.5253,  
30.0724

 10.0867, 19.7513,  
4.6634

 29.7564, 29.2435,  
34.8526

 33.7000, 31.1646,  
40.0972

 38.0689, 33.2947,  
45.8182

 42.8755, 35.6401,  
52.0273

# Harmonies

## Analogous

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



16.9850, 21.7272, 7.8432



14.2564, 21.7272, 12.6749



13.2183, 21.7272, 22.4438

# Triad

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



14.2564, 21.7272, 12.6749



20.2229, 21.7272, 57.6223



29.2592, 21.7272, 14.1388

# Complementary

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



14.2564, 21.7272, 12.6749



17.4765, 12.0071, 21.4759

# 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.



30.4499, 21.7272, 24.9137



14.2564, 21.7272, 12.6749



24.8099, 21.7272, 52.9269

# Square

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



14.2564, 21.7272, 12.6749



16.3379, 21.7272, 50.8426



28.7186, 21.7272, 39.6460



25.6635, 21.7272, 8.4497



# Rectangle

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



14.2564, 21.7272, 12.6749



13.4942, 21.7272, 31.6434



28.7186, 21.7272, 39.6460



29.9746, 21.7272, 17.1423

# Sweetspot

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



14.2570, 21.7281, 12.6754



38.4838, 45.1724, 42.0595



19.8375, 24.6733, 9.8480



8.6167, 10.2579, 9.3486



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



14.2570, 21.7281, 12.6754



22.7325, 37.5682, 18.0161



16.0634, 22.4507, 22.1881



5.3896, 6.0481, 6.0174



8.9251, 17.4659, 4.1599



0.0925, 0.1698, 0.0774



# Inverse Universe

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



17.4765, 12.0071, 21.4759



29.1970, 17.9896, 35.6426



15.5825, 11.2495, 11.5024



5.5750, 5.4905, 6.5258



12.5499, 6.1770, 13.8130



0.1282, 0.0624, 0.1754



# Previews

## White Background



This preview shows how the XYZ color 14.2564, 21.7272, 12.6749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

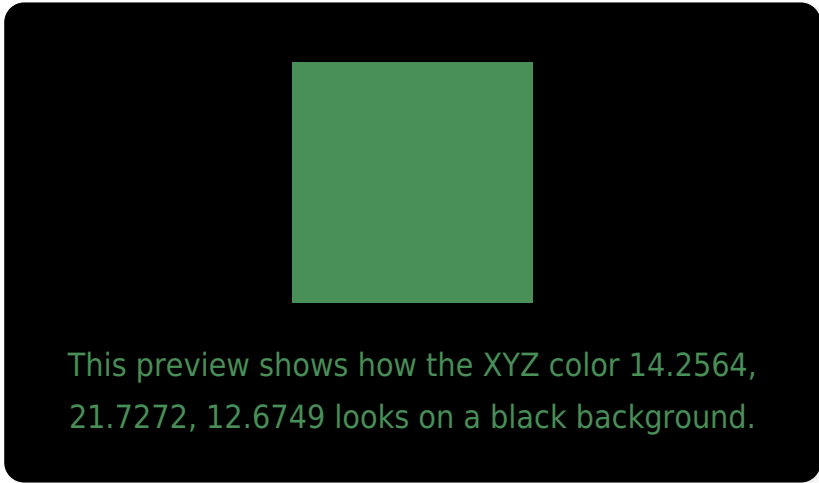
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## 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 14.2564, 21.7272, 12.6749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.2564, 21.7272, 12.6749.



This preview shows how white text looks on a background with the XYZ color 14.2564, 21.7272,



# 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

14.2564, 21.7272, 12.6749

### Protanopia

19.8896, 21.5365, 11.0913

### Deuteranopia

21.6978, 21.2887, 13.3215



## Tritanopia

17.9084, 21.6933, 30.8471

# Trichromacy



## Original Color

14.2564, 21.7272, 12.6749

## Protanomaly

17.0580, 21.0600, 11.5534

## Deuteranomaly

17.8970, 20.8582, 12.9803

## Tritanomaly

16.3919, 21.7209, 23.0673

# Monochromacy



## Original Color

14.2564, 21.7272, 12.6749

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

15.3179, 18.6716, 16.4323

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.2564, 21.7272, 12.6749 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(72, 143, 88)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 88)  
}
```

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(72, 143, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 14.2564, 21.7272, 12.6749 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(72, 143, 88) }
```



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

```
.border{ border-color:rgb(72, 143, 88) }
```

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

Here you see how a box with a 4 pixel rgb(72, 143, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 88);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.2564, 21.7272, 12.6749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 88) }
```

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

```
.background{ background-color: rgb(72, 143,  
88) }
```

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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