

Converting Colors

XYZ(12.9648, 21.7932, 3.5649)

Have a look what the booklet for
XYZ(12.9648, 21.7932, 3.5649)
contains.

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Color

**XYZ(12.8785, 21.6695,
3.5326)**

Conversions

Conversions Part 1

Format	Color
Hex	499101
RGB	73, 145, 1
RGB Percent	29%, 57%, 0%
CMY	0.7137, 0.4314, 0.9960
CMYK	0.50, 0.00, 0.99, 0.43
HSL	90°, 99%, 29%
HSV	90°, 99%, 57%
XYZ	12.8785, 21.6695, 3.5326
YIQ	107.0560, 3.3120, -60.0480

Conversions

Conversions Part 2

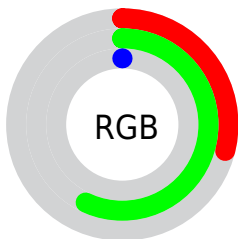
Format	Color
RYB	1, 145, 73
Decimal	4821249
CIELab	53.67, -43.51, 56.34
CIElCh	54, 71.186, 127.679
Yxy	21.6695, 0.3382, 0.5690
Android (android.graphics.Color)	4283011329 (0xFF499101)
YUV	107.0560, -52.2856, -29.8671
Hunter-Lab	46.5505, -32.0802, 28.0860

Details

The XYZ color **12.8785, 21.6695, 3.5326** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.8710, 3.4835, 27.0469**, and the grayscale version is **14.1314, 14.8674, 16.1906**.

A 20% lighter version of the original color is **30.7817, 46.4054, 12.9650**, and **4.0403, 8.0248, 1.3360** is the 20% darker color. If you saturate the color by 10%, you get **12.8353, 21.6485, 3.5021**, and if you desaturate by 10%, it is **13.5452, 22.0041, 4.0046**.

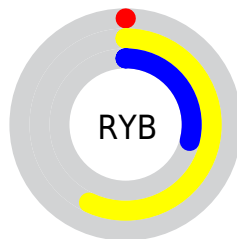
Distribution



Red (29%)

Green (57%)

Blue (0%)



Red (0%)

Yellow (57%)

Blue (29%)

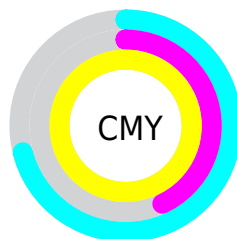


Cyan (50%)

Magenta (0%)

Yellow (99%)

Black (43%)



Cyan (71%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8785, 21.6695, 3.5326 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 12.8785, 21.6695, 3.5326 by changing the saturation by 10% instead.

■ 12.8785, 21.6695,
3.5326

■ 12.8785, 21.6695,
3.5326

203.7909,
260.8154, 142.8792

■ 7.4214, 13.6143,
1.3726

■ 30.6885, 46.1991,
12.9166

■ 3.7756, 7.8529,
0.1202

■ 43.7721, 63.4423,
20.9777

■ 1.5760, 4.0009,
0.0000

■ 60.1285, 84.5170,
31.8428

■ 0.3767, 1.6741,
0.0000

■ 80.1231, 109.8074,
45.9307

■ 0.0000, 0.4068,
0.0000


■ 104.1213,
139.6981, 63.6597


■ 0.0000, 0.0000,
0.0000


■ 132.4885,


174.5734, 85.4484


 165.5899,
214.8177, 111.7154


 12.8785, 21.6695,
3.5326


 12.8785, 21.6695,
3.5326


 12.8353, 21.6485,
3.5021

 13.5452, 22.0041,
4.0046

 14.3378, 22.3960,
4.7963

 15.2838, 22.8572,
6.0401

 16.3955, 23.3927,
7.7906

 17.6836, 24.0070,
10.0948

■ 19.1577, 24.7043,
12.9942

■ 20.8267, 25.4883,
16.5265

■ 22.6988, 26.3624,
20.7262

■ 24.7816, 27.3298,
25.6252

Harmonies

Analogous

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



18.7006, 21.6695, 1.6589



12.8785, 21.6695, 3.5326



9.8014, 21.6695, 10.9802

Triad

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



12.8785, 21.6695, 3.5326



15.5194, 21.6695, 87.5532



38.7874, 21.6695, 18.4219

Complementary

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



12.8785, 21.6695, 3.5326



7.8710, 3.4835, 27.0469

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.



37.3326, 21.6695, 43.3794



12.8785, 21.6695, 3.5326



22.6158, 21.6695, 94.3539

Square

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



12.8785, 21.6695, 3.5326



11.0433, 21.6695, 59.6399



30.9079, 21.6695, 74.7952



34.4983, 21.6695, 6.1214

Rectangle

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



12.8785, 21.6695, 3.5326



9.1546, 21.6695, 21.9359



30.9079, 21.6695, 74.7952



38.9696, 21.6695, 25.3344

Sweetspot

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



12.8790, 21.6704, 3.5331



36.8798, 45.4487, 28.6908



14.0662, 10.7883, 1.3700



7.9498, 9.9911, 5.8379



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.



12.8790, 21.6704, 3.5331



22.7840, 38.6639, 6.2620



10.1441, 20.2605, 3.4051



5.5836, 6.1535, 5.7828



11.0387, 18.5833, 3.0051



0.1309, 0.1907, 0.0299

Inverse Universe

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



7.8710, 3.4835, 27.0469



13.8060, 6.0600, 48.4156



16.7997, 8.0864, 27.4648



5.3704, 5.3791, 6.7840



6.7387, 2.9675, 23.1947



0.0898, 0.0415, 0.2229

Previews

White Background



This preview shows how the XYZ color 12.8785, 21.6695, 3.5326 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 12.8785, 21.6695, 3.5326 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 12.8785, 21.6695, 3.5326

Background



This preview shows how black text looks on a background with the XYZ color 12.8785, 21.6695, 3.5326.



This preview shows how white text looks on a background with the XYZ color 12.8785, 21.6695,

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

12.8785, 21.6695, 3.5326

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.7697, 21.3455, 4.2010



Tritanopia

18.2659, 21.6786, 30.4158

Trichromacy



Original Color

12.8785, 21.6695, 3.5326

Protanomaly

15.9963, 20.9017, 3.1913

Deuteranomaly

17.1534, 20.6794, 3.7035

Tritanomaly

14.9547, 21.1868, 13.6572

Monochromacy



Original Color

12.8785, 21.6695, 3.5326

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.6001, 16.5250, 7.9944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8785, 21.6695, 3.5326 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(73, 145, 1)` looks like.

```
.text, #text, p{  
    color:rgb(73, 145, 1)  
}
```

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(73, 145, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 145, 1) }
```

Border

The CSS property to change the border of an element to XYZ 12.8785, 21.6695, 3.5326 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(73, 145, 1) }
```


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

```
.border{ border-color:rgb(73, 145, 1) }
```

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

Here you see how a box with a 4 pixel rgb(73, 145, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 145, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 145, 1);  
box-shadow:4px 4px 4px 4px rgb(73, 145, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8785, 21.6695, 3.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 145, 1) }
```

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

```
.background{ background-color: rgb(73, 145,  
1) }
```

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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