

Converting Colors

XYZ(12.6984, 14.6485, 21.0118)

Have a look what the booklet for
XYZ(12.6984, 14.6485, 21.0118)
contains.

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Color

**XYZ(12.6529, 14.5483,
20.8801)**

Conversions

Conversions Part 1

Format	Color
Hex	516F7B
RGB	81, 111, 123
RGB Percent	32%, 44%, 48%
CMY	0.6823, 0.5647, 0.5176
CMYK	0.34, 0.10, 0.00, 0.52
HSL	197°, 21%, 40%
HSV	197°, 34%, 48%
XYZ	12.6529, 14.5483, 20.8801
YIQ	103.3980, -21.7320, -2.6280

Conversions

Conversions Part 2

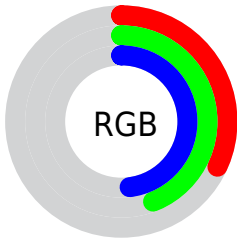
Format	Color
R_{YB}	81, 99, 123
Decimal	5336955
CIE _{Lab}	45.01, -7.67, -10.14
CIE _{LCh}	45, 12.717, 232.913
Yxy	14.5483, 0.2632, 0.3026
Android (android.graphics.Color)	4283527035 (0xFF516F7B)
YUV	103.3980, 9.6638, -19.6430
Hunter-Lab	38.1422, -7.5352, -5.7574

Details

The XYZ color **12.6529, 14.5483, 20.8801** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5680, 12.6337, 9.5083**, and the grayscale version is **12.9772, 13.6530, 14.8682**.

A 20% lighter version of the original color is **30.3508, 34.1951, 45.5581**, and **3.6407, 4.3728, 7.1307** is the 20% darker color. If you saturate the color by 10%, you get **11.3171, 13.3020, 20.7102**, and if you desaturate by 10%, it is **14.1957, 15.9244, 21.0647**.

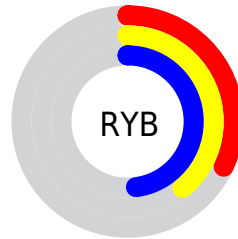
Distribution



Red (32%)

Green (44%)

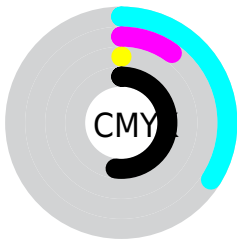
Blue (48%)



Red (32%)

Yellow (39%)

Blue (48%)

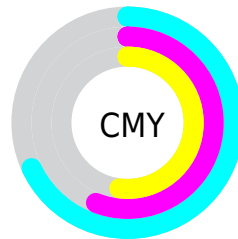


Cyan (34%)

Magenta (10%)

Yellow (0%)

Black (52%)



Cyan (68%)

Magenta (56%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6529, 14.5483, 20.8801 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 12.6529, 14.5483, 20.8801 by changing the saturation by 10% instead.

■ 12.6529, 14.5483,
20.8801

■ 12.6529, 14.5483,
20.8801

202.3639,
220.6157, 269.4007

■ 7.2653, 8.5030,
12.8460

■ 30.2854, 34.0588,
45.7661

■ 3.6764, 4.4185,
7.1931

■ 43.2611, 48.2928,
63.4551

■ 1.5207, 1.9103,
3.5029

■ 59.4968, 66.0251,
85.1994

■ 0.3399, 0.5546,
1.3568

■ 79.3580, 87.6401,
111.4177

■ 0.0000, 0.0000,
0.1077

■ 103.2099,
113.5223, 142.5284

■ 0.0000, 0.0000,
0.0000

131.4179,

144.0561, 178.9501

164.3475,
179.6257, 221.1014

■ 12.6529, 14.5483,
20.8801

■ 12.6529, 14.5483,
20.8801

■ 11.3171, 13.3020,
20.7102

■ 14.1957, 15.9244,
21.0647

■ 10.1764, 12.1780,
20.5534

■ 15.9538, 17.4338,
21.2633

■ 9.2198, 11.1708,
20.4094

■ 17.9367, 19.0821,
21.4770

■ 8.4345, 10.2736,
20.2776

■ 20.1530, 20.8737,
21.7060

■ 7.8061, 9.4786,
20.1573

■ 22.6107, 22.8132,
21.9508

■ 7.3147, 8.7753,
20.0474

■ 25.3176, 24.9048,
22.2118

■ 7.0536, 8.3869,
19.9862

■ 28.2809, 27.1523,
22.4895

■ 31.5076, 29.5598,
22.7841

■ 35.0046, 32.1308,
23.0960

Harmonies

Analogous

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



12.0610, 14.5483, 18.1844



12.6529, 14.5483, 20.8801



13.5817, 14.5483, 22.2536

Triad

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



12.6529, 14.5483, 20.8801



15.9156, 14.5483, 16.5601



13.0613, 14.5483, 11.1160

Complementary

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



12.6529, 14.5483, 20.8801



13.5680, 12.6337, 9.5083

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.



14.0767, 14.5483, 10.7958



12.6529, 14.5483, 20.8801



15.7591, 14.5483, 13.7074

Square

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



12.6529, 14.5483, 20.8801



15.4906, 14.5483, 19.5640



15.0731, 14.5483, 11.6852



12.2883, 14.5483, 12.6224

Rectangle

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



12.6529, 14.5483, 20.8801



14.2809, 14.5483, 22.1266



15.0731, 14.5483, 11.6852



13.3842, 14.5483, 10.8745

Sweetspot

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



12.6533, 14.5489, 20.8804



29.9049, 32.3403, 38.2228



12.4479, 16.7040, 12.9011



6.9478, 7.5370, 8.9917



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6533, 14.5489, 20.8804



20.7473, 24.2787, 37.1494



10.6333, 10.5089, 20.2071



4.0149, 4.3281, 5.0670



7.2921, 8.6666, 20.6738



34.0303, 39.8332, 98.3648

Inverse Universe

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



13.9804, 11.2438, 16.4731



23.5702, 17.6342, 27.6871



15.6599, 16.8174, 10.2055



4.1080, 4.0589, 4.7663



10.2640, 5.0818, 9.9473



48.5800, 24.0884, 45.4461

Previews

White Background



This preview shows how the XYZ color 12.6529, 14.5483, 20.8801 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 12.6529, 14.5483, 20.8801 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

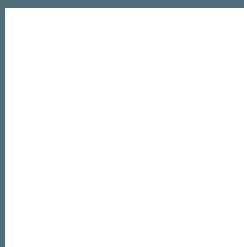
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6529, 14.5483, 20.8801

Background



This preview shows how black text looks on a background with the XYZ color 12.6529, 14.5483, 20.8801.



This preview shows how white text looks on a background with the XYZ color 12.6529, 14.5483,

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

12.6529, 14.5483, 20.8801

Protanopia

14.0903, 14.3781, 19.4854

Deuteranopia

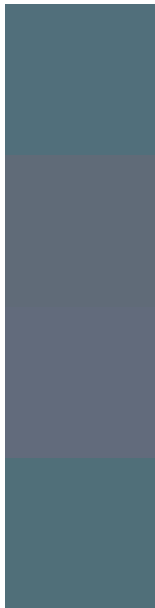
14.8363, 14.5694, 21.4323



Tritanopia

12.3829, 14.4304, 19.9020

Trichromacy



Original Color

12.6529, 14.5483, 20.8801

Protanomaly

13.4717, 14.3583, 19.8307

Deuteranomaly

13.9328, 14.5673, 21.1462

Tritanomaly

12.4439, 14.4548, 20.2234

Monochromacy



Original Color

12.6529, 14.5483, 20.8801

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6878, 13.8668, 16.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6529, 14.5483, 20.8801 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(81, 111, 123)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 123)  
}
```

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(81, 111, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.6529, 14.5483, 20.8801 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(81, 111, 123) }
```


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

```
.border{ border-color:rgb(81, 111, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 111, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 123);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6529, 14.5483, 20.8801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 123) }
```

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

```
.background{ background-color: rgb(81, 111,  
123) }
```

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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