

Converting Colors

XYZ(12.4964, 14.5610, 14.2085)

Have a look what the booklet for
XYZ(12.4964, 14.5610, 14.2085)
contains.

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Color

**XYZ(12.4989, 14.6161,
14.2190)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6F64
RGB	93, 111, 100
RGB Percent	36%, 44%, 39%
CMY	0.6353, 0.5647, 0.6078
CMYK	0.16, 0.00, 0.10, 0.56
HSL	143°, 9%, 40%
HSV	143°, 16%, 44%
XYZ	12.4989, 14.6161, 14.2190
YIQ	104.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

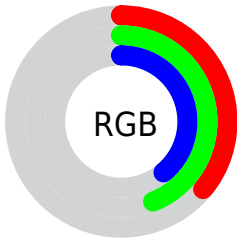
Format	Color
R _Y B	93, 106, 111
Decimal	6123364
CIE Lab	45.10, -9.12, 3.88
CIE LCh	45, 9.909, 156.932
Yxy	14.6161, 0.3024, 0.3536
Android (android.graphics.Color)	4284313444 (0xFF5D6F64)
YUV	104.3640, -2.1515, -9.9662
Hunter-Lab	38.2310, -8.5471, 4.7104

Details

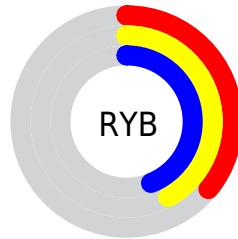
The XYZ color **12.4989, 14.6161, 14.2190** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9691, 12.2081, 14.7703**, and the grayscale version is **13.2630, 13.9537, 15.1956**.

A 20% lighter version of the original color is **30.0108, 34.2684, 34.3109**, and **3.5924, 4.4164, 4.0313** is the 20% darker color. If you saturate the color by 10%, you get **11.1412, 13.9529, 12.5123**, and if you desaturate by 10%, it is **14.0479, 15.3755, 16.0780**.

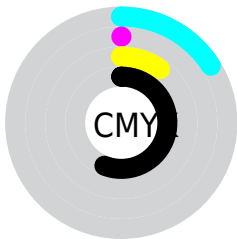
Distribution



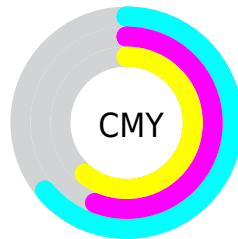
- Red (36%)
- Green (44%)
- Blue (39%)



- Red (36%)
- Yellow (42%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4989, 14.6161, 14.2190 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 12.4989, 14.6161, 14.2190 by changing the saturation by 10% instead.

■ 12.4989, 14.6161,
14.2190

■ 12.4989, 14.6161,
14.2190

201.3839,
221.0307, 230.0646

■ 7.1590, 8.5504,
8.1327

■ 30.0096, 34.1783,
34.1998

■ 3.6090, 4.4491,
4.0910

■ 42.9111, 48.4436,
48.9314

■ 1.4834, 1.9278,
1.6754

■ 59.0639, 66.2108,
67.3817

■ 0.3145, 0.5650,
0.3438

■ 78.8332, 87.8645,
89.9694

■ 0.0000, 0.0000,
0.0000

102.5846,
113.7889, 117.1130

130.6832,

144.3684, 149.2311

163.4946,
179.9876, 186.7421

■ 12.4989, 14.6161,
14.2190

■ 12.4989, 14.6161,
14.2190

■ 11.1412, 13.9529,
12.5123

■ 14.0479, 15.3755,
16.0780

■ 9.9658, 13.3803,
10.9532

■ 15.7942, 16.2330,
18.0920

■ 8.9652, 12.8947,
9.5380

■ 17.7451, 17.1926,
20.2650

■ 8.1302, 12.4917,
8.2625

■ 19.9070, 18.2577,
22.6003

■ 7.4515, 12.1663,
7.1224

■ 22.2861, 19.4313,
25.1013

■ 6.9181, 11.9132,
6.1130

■ 24.8883, 20.7164,
27.7712

■ 6.5181, 11.7261,
5.2295

■ 27.7195, 22.1159,
30.6131

■ 6.2251, 11.5916,
4.4662

■ 30.7851, 23.6327,
33.6301

■ 6.1237, 11.5450,
4.2068

■ 34.0904, 25.2693,
36.8251

Harmonies

Analogous

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



12.9711, 14.6161, 12.5880



12.4989, 14.6161, 14.2190



12.3930, 14.6161, 16.4626

Triad

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



12.4989, 14.6161, 14.2190



14.0823, 14.6161, 20.8014



15.1836, 14.6161, 13.3658

Complementary

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



12.4989, 14.6161, 14.2190



12.9691, 12.2081, 14.7703

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.



15.5076, 14.6161, 15.3786



12.4989, 14.6161, 14.2190



14.8558, 14.6161, 19.7806

Square

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



12.4989, 14.6161, 14.2190



13.2868, 14.6161, 20.4139



15.3853, 14.6161, 17.7396



14.5156, 14.6161, 12.1301

Rectangle

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



12.4989, 14.6161, 14.2190



12.5406, 14.6161, 18.0363



15.3853, 14.6161, 17.7396



15.3375, 14.6161, 13.9659

Sweetspot

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



12.4993, 14.6167, 14.2193



25.4748, 27.6886, 29.1654



13.3813, 15.1089, 12.5672



6.0812, 6.6329, 6.9612



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.4993, 14.6167, 14.2193



21.5415, 25.7618, 24.4225



12.9541, 14.7986, 16.6141



3.3938, 3.7827, 3.8799



7.2036, 13.5989, 4.8927



35.4875, 67.5837, 22.2845

Inverse Universe

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



12.9691, 12.2081, 14.7703



22.5318, 20.6841, 25.5834



12.5405, 12.0366, 12.5130



3.4621, 3.4325, 3.9601



8.9358, 4.4667, 6.7376



44.0810, 22.0777, 31.2886

Previews

White Background



This preview shows how the XYZ color 12.4989, 14.6161, 14.2190 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 12.4989, 14.6161, 14.2190 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 12.4989, 14.6161, 14.2190

Background



This preview shows how black text looks on a background with the XYZ color 12.4989, 14.6161, 14.2190.



This preview shows how white text looks on a background with the XYZ color 12.4989, 14.6161,

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

12.4989, 14.6161, 14.2190

Protanopia

13.8672, 14.5506, 13.3869

Deuteranopia

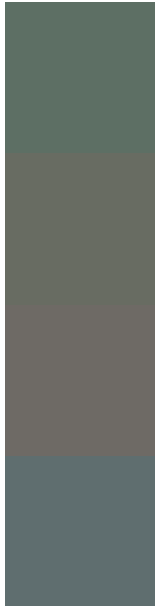
14.8563, 14.5817, 14.6019



Tritanopia

13.5034, 14.7084, 18.9569

Trichromacy



Original Color

12.4989, 14.6161, 14.2190

Protanomaly

13.2761, 14.5500, 13.6640

Deuteranomaly

13.9334, 14.5627, 14.3884

Tritanomaly

13.1645, 14.7325, 17.1887

Monochromacy



Original Color

12.4989, 14.6161, 14.2190

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9614, 14.2040, 14.8905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4989, 14.6161, 14.2190 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(93, 111, 100) looks like.

```
.text, #text, p{  
    color:rgb(93, 111, 100)  
}
```

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(93, 111, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 111, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.4989, 14.6161, 14.2190 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(93, 111, 100) }
```


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

```
.border{ border-color:rgb(93, 111, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 111, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 111, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 111, 100);  
box-shadow:4px 4px 4px 4px rgb(93, 111,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4989, 14.6161, 14.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 111, 100) }
```

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

```
.background{ background-color: rgb(93, 111,  
100) }
```

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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