

Converting Colors

XYZ(14.4888, 11.7865, 32.2190)

Have a look what the booklet for
XYZ(14.4888, 11.7865, 32.2190)
contains.

XYZ(14.4161, 11.6980, 32.0700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.4161, 11.6980,
32.0700)**

Conversions

Conversions Part 1

Format	Color
Hex	64569A
RGB	100, 86, 154
RGB Percent	39%, 34%, 60%
CMY	0.6078, 0.6627, 0.3961
CMYK	0.35, 0.44, 0.00, 0.40
HSL	252°, 28%, 47%
HSV	252°, 44%, 60%
XYZ	14.4161, 11.6980, 32.0700
YIQ	97.9380, -13.4840, 24.1160

Conversions

Conversions Part 2

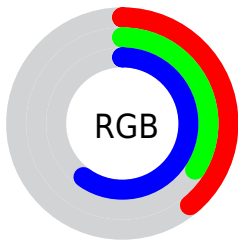
Format	Color
R_{YB}	100, 86, 154
Decimal	6575770
CIE _{Lab}	40.73, 22.11, -35.25
CIE _{LCh}	41, 41.617, 302.099
Yxy	11.6980, 0.2478, 0.2011
Android (android.graphics.Color)	4284765850 (0xFF64569A)
YUV	97.9380, 27.6386, 1.8084
Hunter-Lab	34.2023, 15.3827, -31.6519

Details

The XYZ color **14.4161, 11.6980, 32.0700** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0506, 29.3587, 13.2036**, and the grayscale version is **11.5303, 12.1308, 13.2104**.

A 20% lighter version of the original color is **33.4497, 28.9841, 64.1531**, and **4.4237, 3.1299, 12.9413** is the 20% darker color. If you saturate the color by 10%, you get **12.0639, 8.8528, 31.6450**, and if you desaturate by 10%, it is **17.2372, 15.1786, 32.5934**.

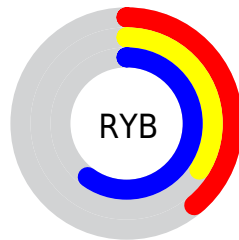
Distribution



Red (39%)

Green (34%)

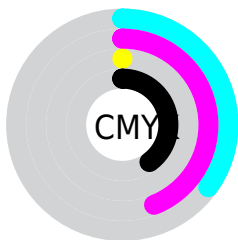
Blue (60%)



Red (39%)

Yellow (34%)

Blue (60%)

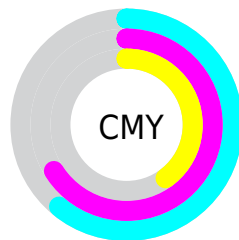


Cyan (35%)

Magenta (44%)

Yellow (0%)

Black (40%)



Cyan (61%)

Magenta (66%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4161, 11.6980, 32.0700 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 14.4161, 11.6980, 32.0700 by changing the saturation by 10% instead.

■ 14.4161, 11.6980,
32.0700

■ 14.4161, 11.6980,
32.0700

213.2635,
202.3956, 325.9405

■ 8.4943, 6.5384,
21.1497

■ 33.4057, 28.9439,
64.0200

■ 4.4673, 3.1751,
13.0412

■ 47.2041, 41.7989,
85.8868

■ 1.9697, 1.2238,
7.3258

■ 64.3588, 57.9879,
112.2395

■ 0.6169, 0.0810,
3.5852

■ 85.2351, 77.8952,
143.4966

■ 0.0000, 0.0000,
1.4007

■ 110.1984,
101.9052, 180.0768

■ 0.0000, 0.0000,
0.1422

139.6139,

■ 0.0000, 0.0000,

130.4024, 222.3984

0.0000

173.8472,
163.7710, 270.8802

■ 14.4161, 11.6980,
32.0700

■ 14.4161, 11.6980,
32.0700

■ 12.0639, 8.8528,
31.6450

■ 17.2372, 15.1786,
32.5934

■ 10.1530, 6.6026,
31.3114

■ 20.5500, 19.3291,
33.2199

■ 8.6550, 4.9045,
31.0626

■ 24.3773, 24.1826,
33.9550

■ 7.5374, 3.7091,
30.8908

■ 28.7400, 29.7702,
34.8035

■ 6.7618, 2.9571,
30.7865

■ 33.6582, 36.1207,
35.7701

■ 6.4195, 2.6356,
30.7425

■ 39.1505, 43.2614,
36.8589

■ 45.2348, 51.2185,
38.0741

■ 51.9283, 60.0167,
39.4196

■ 59.2474, 69.6798,
40.8990

Harmonies

Analogous

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



11.3278, 11.6980, 36.8708



14.4161, 11.6980, 32.0700



16.9278, 11.6980, 21.9602

Triad

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



14.4161, 11.6980, 32.0700



13.9922, 11.6980, 3.0946



6.3558, 11.6980, 13.3418

Complementary

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



14.4161, 11.6980, 32.0700



24.0506, 29.3587, 13.2036

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.



6.8185, 11.6980, 6.5435



14.4161, 11.6980, 32.0700



10.9120, 11.6980, 2.4191

Square

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



14.4161, 11.6980, 32.0700



16.6542, 11.6980, 5.9041



8.3667, 11.6980, 3.3323



6.9696, 11.6980, 23.4765

Rectangle

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



14.4161, 11.6980, 32.0700



17.7425, 11.6980, 15.1053



8.3667, 11.6980, 3.3323



6.3904, 11.6980, 10.6304

Sweetspot

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



14.4165, 11.6984, 32.0703



44.9515, 44.7821, 61.8109



19.1074, 23.1851, 34.0402



9.8243, 9.6897, 13.9229



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.4165, 11.6984, 32.0703



21.9505, 16.1242, 57.4917



18.9287, 14.0245, 32.2814



5.9974, 6.0846, 7.7873



5.2553, 2.1603, 25.0477



0.1039, 0.0454, 0.3756

Inverse Universe

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



21.3880, 15.4193, 26.6596



36.4560, 23.8807, 45.5833



19.2271, 26.8721, 12.9779



6.4067, 6.3018, 7.5218



13.7472, 6.7531, 15.7254



0.2178, 0.1059, 0.2997

Previews

White Background



This preview shows how the XYZ color 14.4161, 11.6980, 32.0700 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 14.4161, 11.6980, 32.0700 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 14.4161, 11.6980, 32.0700

Background



This preview shows how black text looks on a background with the XYZ color 14.4161, 11.6980, 32.0700.



This preview shows how white text looks on a background with the XYZ color 14.4161, 11.6980,

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

14.4161, 11.6980, 32.0700

Protanopia

12.8196, 11.8076, 35.3216

Deuteranopia

12.0303, 11.7566, 31.3409



Tritanopia

10.9443, 11.6932, 15.0448

Trichromacy



Original Color

14.4161, 11.6980, 32.0700

Protanomaly

13.2209, 11.6563, 33.9008

Deuteranomaly

12.7188, 11.5739, 31.7006

Tritanomaly

12.0037, 11.5859, 20.3425

Monochromacy



Original Color

14.4161, 11.6980, 32.0700

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.4183, 11.9661, 18.7947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4161, 11.6980, 32.0700 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(100, 86, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 86, 154)  
}
```

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(100, 86, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 86, 154) }
```

Border

The CSS property to change the border of an element to XYZ 14.4161, 11.6980, 32.0700 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(100, 86, 154) }
```


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

```
.border{ border-color:rgb(100, 86, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 86, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 86, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 86, 154);  
box-shadow:4px 4px 4px 4px rgb(100, 86,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4161, 11.6980, 32.0700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 86, 154) }
```

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

```
.background{ background-color: rgb(100, 86,  
154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor