

Converting Colors

XYZ(13.4433, 14.6226, 41.1448)

Have a look what the booklet for
XYZ(13.4433, 14.6226, 41.1448)
contains.

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Color

**XYZ(13.4717, 14.6861,
41.1544)**

Conversions

Conversions Part 1

Format	Color
Hex	1170AC
RGB	17, 112, 172
RGB Percent	7%, 44%, 67%
CMY	0.9333, 0.5608, 0.3255
CMYK	0.90, 0.35, 0.00, 0.33
HSL	203°, 82%, 37%
HSV	203°, 90%, 67%
XYZ	13.4717, 14.6861, 41.1544
YIQ	90.4350, -75.8800, -1.4800

Conversions

Conversions Part 2

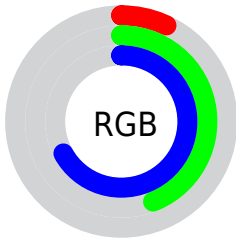
Format	Color
R _Y B	17, 76, 172
Decimal	1142956
CIE Lab	45.20, -3.10, -39.09
CIE LCh	45, 39.208, 265.459
Yxy	14.6861, 0.1944, 0.2119
Android (android.graphics.Color)	4279333036 (0xFF1170AC)
YUV	90.4350, 40.2115, -64.4025
Hunter-Lab	38.3224, -4.3152, -36.8457

Details

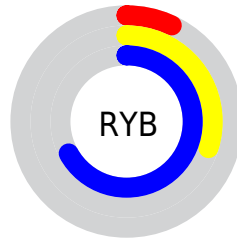
The XYZ color **13.4717, 14.6861, 41.1544** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.7698, 14.1215, 2.2148**, and the grayscale version is **9.7419, 10.2493, 11.1615**.

A 20% lighter version of the original color is **31.7169, 34.1755, 78.3237**, and **5.2201, 5.1125, 18.1644** is the 20% darker color. If you saturate the color by 10%, you get **12.5402, 13.1661, 40.9104**, and if you desaturate by 10%, it is **14.6698, 16.4353, 41.4292**.

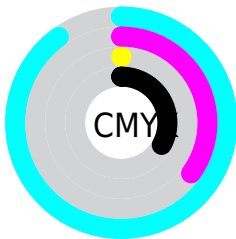
Distribution



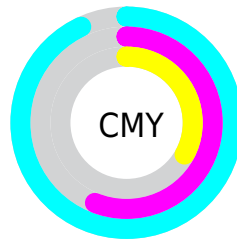
- Red (7%)
- Green (44%)
- Blue (67%)



- Red (7%)
- Yellow (30%)
- Blue (67%)



- Cyan (90%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)



- Cyan (93%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4717, 14.6861, 41.1544 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 13.4717, 14.6861, 41.1544 by changing the saturation by 10% instead.

■ 13.4717, 14.6861,
41.1544

■ 13.4717, 14.6861,
41.1544

207.4961,
221.4583, 366.6612

■ 7.8334, 8.5994,
28.1191

■ 31.7428, 34.3016,
78.1744

■ 4.0394, 4.4808,
18.1757

■ 45.1063, 48.5991,
102.9963

■ 1.7245, 1.9460,
10.9054

■ 61.7756, 66.4023,
132.5841

■ 0.4715, 0.5758,
5.8899

■ 82.1160, 88.0957,
167.3564

■ 0.0000, 0.0000,
2.7105

■ 106.4929,
114.0636, 207.7317

■ 0.0000, 0.0000,
0.9487

■ 135.2716,

■ 0.0000, 0.0000,

144.6904, 254.1286

0.0000

168.8176,
180.3605, 306.9656

■ 13.4717, 14.6861,
41.1544

■ 13.4717, 14.6861,
41.1544

■ 12.5402, 13.1661,
40.9104

■ 14.6698, 16.4353,
41.4292

■ 16.2069, 18.4414,
41.7354

■ 18.1220, 20.7264,
42.0755

■ 20.4476, 23.3085,
42.4514

■ 23.2127, 26.2044,
42.8646

■ 26.4433, 29.4289,
43.3167

■ 30.1634, 32.9957,
43.8091

■ 34.3951, 36.9178,
44.3431

■ 39.1593, 41.2073,
44.9199

Harmonies

Analogous

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



10.7187, 14.6861, 35.6262



13.4717, 14.6861, 41.1544



16.8088, 14.6861, 38.0882

Triad

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



13.4717, 14.6861, 41.1544



20.3662, 14.6861, 9.4870



9.4339, 14.6861, 7.8636

Complementary

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



13.4717, 14.6861, 41.1544



19.7698, 14.1215, 2.2148

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.



11.4505, 14.6861, 4.6921



13.4717, 14.6861, 41.1544



17.7935, 14.6861, 5.3433

Square

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



13.4717, 14.6861, 41.1544



21.1279, 14.6861, 17.4439



14.4573, 14.6861, 3.9907



8.6281, 14.6861, 14.6205

Rectangle

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



13.4717, 14.6861, 41.1544



18.8814, 14.6861, 32.0353



14.4573, 14.6861, 3.9907



9.9759, 14.6861, 6.4633

Sweetspot

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



13.4723, 14.6866, 41.1548



49.6536, 55.0233, 78.8093



16.3036, 30.1524, 11.8765



10.3357, 11.5146, 17.0655



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.4723, 14.6866, 41.1548



22.5296, 23.4450, 74.1437



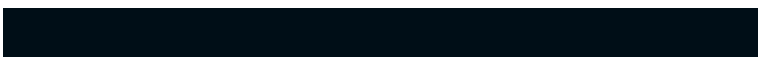
8.2819, 4.3059, 39.4247



7.9720, 8.5434, 10.1816



9.3863, 9.9065, 30.4619



0.3121, 0.3775, 0.8644

Inverse Universe

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



20.1388, 10.3421, 16.2644



35.4178, 17.7326, 25.4215



28.6570, 31.8959, 5.1772



8.2037, 8.0947, 9.3834



14.6014, 7.3031, 10.8124



0.4319, 0.2135, 0.4362

Previews

White Background



This preview shows how the XYZ color 13.4717, 14.6861, 41.1544 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 13.4717, 14.6861, 41.1544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

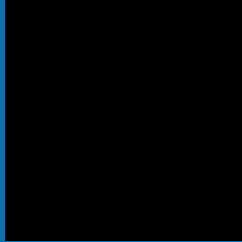
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4717, 14.6861, 41.1544

Background



This preview shows how black text looks on a background with the XYZ color 13.4717, 14.6861, 41.1544.



This preview shows how white text looks on a background with the XYZ color 13.4717, 14.6861,

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

13.4717, 14.6861, 41.1544

Protanopia

15.3980, 14.5021, 37.5849

Deuteranopia

15.0473, 14.6908, 41.5777



Tritanopia

10.3092, 14.4892, 22.3320

Trichromacy



Original Color

13.4717, 14.6861, 41.1544

Protanomaly

14.1891, 14.3032, 39.0587

Deuteranomaly

14.2304, 14.5828, 41.5999

Tritanomaly

11.2784, 14.5127, 28.1934

Monochromacy



Original Color

13.4717, 14.6861, 41.1544

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8077, 11.1482, 19.4042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4717, 14.6861, 41.1544 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(17, 112, 172)` looks like.

```
.text, #text, p{  
    color:rgb(17, 112, 172)  
}
```

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(17, 112, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 112, 172) }
```

Border

The CSS property to change the border of an element to XYZ 13.4717, 14.6861, 41.1544 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(17, 112, 172) }
```


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

```
.border{ border-color:rgb(17, 112, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 112, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 112, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 112, 172);  
box-shadow:4px 4px 4px 4px rgb(17, 112,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4717, 14.6861, 41.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 112, 172) }
```

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

```
.background{ background-color: rgb(17, 112,  
172) }
```

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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