

Converting Colors

XYZ(14.5614, 14.6931, 36.7342)

Have a look what the booklet for
XYZ(14.5614, 14.6931, 36.7342)
contains.

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Color

**XYZ(14.5720, 14.7091,
36.7214)**

Conversions

Conversions Part 1

Format	Color
Hex	476CA3
RGB	71, 108, 163
RGB Percent	28%, 42%, 64%
CMY	0.7215, 0.5765, 0.3608
CMYK	0.56, 0.34, 0.00, 0.36
HSL	216°, 39%, 46%
HSV	216°, 56%, 64%
XYZ	14.5720, 14.7091, 36.7214
YIQ	103.2070, -39.7070, 9.2610

Conversions

Conversions Part 2

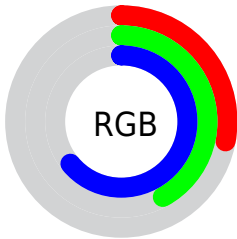
Format	Color
R_{YB}	71, 97, 163
Decimal	4680867
CIE _{Lab}	45.23, 3.67, -33.64
CIE _{LCh}	45, 33.839, 276.227
Yxy	14.7091, 0.2208, 0.2229
Android (android.graphics.Color)	4282870947 (0xFF476CA3)
YUV	103.2070, 29.4779, -28.2455
Hunter-Lab	38.3524, 0.7042, -29.9218

Details

The XYZ color **14.5720, 14.7091, 36.7214** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.7032, 23.1643, 9.1840**, and the grayscale version is **12.8794, 13.5501, 14.7561**.

A 20% lighter version of the original color is **33.6572, 34.2938, 71.1751**, and **4.5380, 4.4852, 15.6655** is the 20% darker color. If you saturate the color by 10%, you get **12.5621, 12.2318, 36.3495**, and if you desaturate by 10%, it is **17.0186, 17.5826, 37.1474**.

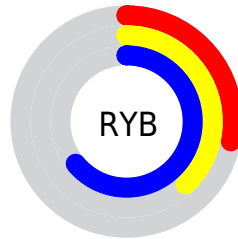
Distribution



Red (28%)

Green (42%)

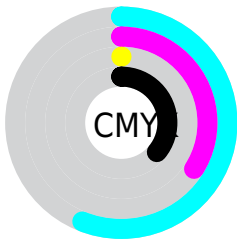
Blue (64%)



Red (28%)

Yellow (38%)

Blue (64%)

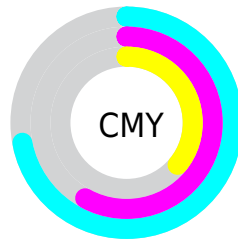


Cyan (56%)

Magenta (34%)

Yellow (0%)

Black (36%)



Cyan (72%)

Magenta (58%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5720, 14.7091, 36.7214 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 14.5720, 14.7091, 36.7214 by changing the saturation by 10% instead.

■ 14.5720, 14.7091,
36.7214

■ 14.5720, 14.7091,
36.7214

214.2010,
221.5987, 347.2351

■ 8.6039, 8.6155,
24.6978

■ 33.6784, 34.3420,
71.3256

■ 4.5388, 4.4912,
15.6351

■ 47.5475, 48.6502,
94.7433

■ 2.0112, 1.9520,
9.1147

■ 64.7809, 66.4652,
122.7960

■ 0.6403, 0.5793,
4.7183

■ 85.7440, 88.1716,
155.9024

■ 0.0000, 0.0000,
2.0271

■ 110.8023,
114.1538, 194.4810

■ 0.0000, 0.0000,
0.5719

140.3209,

■ 0.0000, 0.0000,

144.7961, 238.9502

0.0000

174.6654,
180.4829, 289.7288

■ 14.5720, 14.7091,
36.7214

■ 14.5720, 14.7091,
36.7214

■ 12.5621, 12.2318,
36.3495

■ 17.0186, 17.5826,
37.1474

■ 10.9571, 10.1280,
36.0280

■ 19.9271, 20.8698,
37.6286

■ 9.7233, 8.3745,
35.7546

■ 23.3228, 24.5892,
38.1675

■ 8.8130, 6.9408,
35.5258

■ 27.2284, 28.7574,
38.7662

■ 8.5330, 6.4886,
35.4533

■ 31.6653, 33.3900,
39.4266

■ 36.6534, 38.5018,
40.1503

■ 42.2116, 44.1071,
40.9393

■ 48.3581, 50.2194,
41.7951

■ 55.1099, 56.8516,
42.7194

Harmonies

Analogous

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



11.9230, 14.7091, 34.6476



14.5720, 14.7091, 36.7214



17.4054, 14.7091, 31.9278

Triad

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



14.5720, 14.7091, 36.7214



18.7825, 14.7091, 8.5295



9.6143, 14.7091, 10.5753

Complementary

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



14.5720, 14.7091, 36.7214



23.7032, 23.1643, 9.1840

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.



11.0373, 14.7091, 6.5279



14.5720, 14.7091, 36.7214



16.2622, 14.7091, 5.6519

Square

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



14.5720, 14.7091, 36.7214



20.0364, 14.7091, 14.4026



13.4053, 14.7091, 5.0663



9.2873, 14.7091, 17.7450

Rectangle

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



14.5720, 14.7091, 36.7214



18.9438, 14.7091, 26.1928



13.4053, 14.7091, 5.0663



9.9701, 14.7091, 8.8895

Sweetspot

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



14.5725, 14.7096, 36.7218



48.1130, 50.8147, 69.3285



19.3768, 29.0066, 23.8690



10.4964, 11.0848, 15.5239



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.5725, 14.7096, 36.7218



21.6152, 20.7764, 64.9271



12.0616, 8.7997, 35.7134



6.9234, 7.3057, 8.9483



6.6739, 5.1272, 27.5677



0.1859, 0.1990, 0.5945

Inverse Universe

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



20.0648, 13.3765, 15.7122



32.8419, 19.5427, 21.6472



27.8166, 33.6513, 10.9913



7.1863, 7.1310, 7.9674



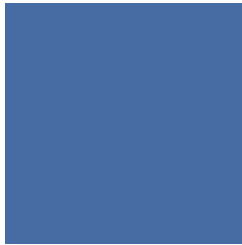
12.5141, 6.3617, 4.6321



0.2860, 0.1429, 0.2186

Previews

White Background



This preview shows how the XYZ color 14.5720, 14.7091, 36.7214 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 14.5720, 14.7091, 36.7214 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 14.5720, 14.7091, 36.7214

Background



This preview shows how black text looks on a background with the XYZ color 14.5720, 14.7091, 36.7214.

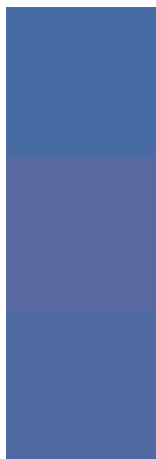


This preview shows how white text looks on a background with the XYZ color 14.5720, 14.7091,

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

14.5720, 14.7091, 36.7214

Protanopia

15.3272, 14.6675, 35.2810

Deuteranopia

14.9893, 14.6147, 36.6812



Tritanopia

11.5779, 14.8122, 21.6509

Trichromacy



Original Color

14.5720, 14.7091, 36.7214

Protanomaly

14.9804, 14.6306, 35.7527

Deuteranomaly

14.8490, 14.6962, 36.7044

Tritanomaly

12.4898, 14.6664, 26.5987

Monochromacy



Original Color

14.5720, 14.7091, 36.7214

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0676, 13.8080, 21.3785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5720, 14.7091, 36.7214 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(71, 108, 163)` looks like.

```
.text, #text, p{  
    color:rgb(71, 108, 163)  
}
```

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(71, 108, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 108, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.5720, 14.7091, 36.7214 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(71, 108, 163) }
```


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

```
.border{ border-color:rgb(71, 108, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 108, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 108, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 108, 163);  
box-shadow:4px 4px 4px 4px rgb(71, 108,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5720, 14.7091, 36.7214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 108, 163) }
```

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

```
.background{ background-color: rgb(71, 108,  
163) }
```

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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