

Converting Colors

XYZ(14.5042, 13.9944, 36.5875)

Have a look what the booklet for
XYZ(14.5042, 13.9944, 36.5875)
contains.

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Color

**XYZ(14.5417, 14.0815,
36.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	4C68A3
RGB	76, 104, 163
RGB Percent	30%, 41%, 64%
CMY	0.7019, 0.5922, 0.3608
CMYK	0.53, 0.36, 0.00, 0.36
HSL	221°, 36%, 47%
HSV	221°, 53%, 64%
XYZ	14.5417, 14.0815, 36.6019
YIQ	102.3540, -35.6270, 12.4130

Conversions

Conversions Part 2

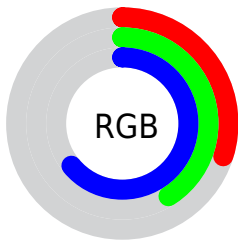
Format	Color
R_{YB}	76, 97, 163
Decimal	5007523
CIE _{Lab}	44.35, 7.29, -35.01
CIE _{LCh}	44, 35.763, 281.767
Yxy	14.0815, 0.2229, 0.2159
Android (android.graphics.Color)	4283197603 (0xFF4C68A3)
YUV	102.3540, 29.8985, -23.1125
Hunter-Lab	37.5253, 3.5025, -31.5633

Details

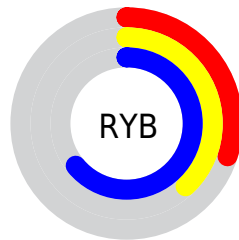
The XYZ color **14.5417, 14.0815, 36.6019** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.0735, 25.6374, 10.4653**, and the grayscale version is **12.6533, 13.3122, 14.4970**.

A 20% lighter version of the original color is **33.5822, 33.2505, 70.9777**, and **4.5135, 4.1673, 15.6054** is the 20% darker color. If you saturate the color by 10%, you get **12.3663, 11.4153, 36.2022**, and if you desaturate by 10%, it is **17.1921, 17.2096, 37.0663**.

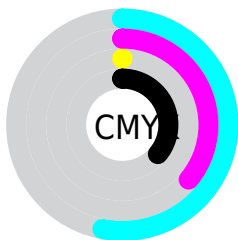
Distribution



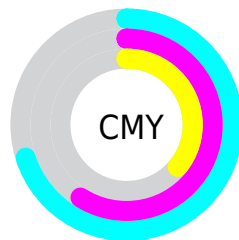
- Red (30%)
- Green (41%)
- Blue (64%)



- Red (30%)
- Yellow (38%)
- Blue (64%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (36%)



- Cyan (70%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5417, 14.0815, 36.6019 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 14.5417, 14.0815, 36.6019 by changing the saturation by 10% instead.

■ 14.5417, 14.0815,
36.6019

■ 14.5417, 14.0815,
36.6019

214.0191,
217.7373, 346.7004

■ 8.5826, 8.1774,
24.6060

■ 33.6255, 33.2336,
71.1395

■ 4.5249, 4.2087,
15.5674

■ 47.4808, 47.2503,
94.5184

■ 2.0031, 1.7910,
9.0676

■ 64.6990, 64.7400,
122.5287

■ 0.6357, 0.4815,
4.6879

■ 85.6453, 86.0871,
155.5890

■ 0.0000, 0.0000,
2.0098

■ 110.6851,
111.6760, 194.1177

■ 0.0000, 0.0000,
0.5613

140.1837,

■ 0.0000, 0.0000,

141.8910, 238.5335

0.0000

174.5066,
177.1167, 289.2549

■ 14.5417, 14.0815,
36.6019

■ 14.5417, 14.0815,
36.6019

■ 12.3663, 11.4153,
36.2022

■ 17.1921, 17.2096,
37.0663

■ 10.6334, 9.1852,
35.8631

■ 20.3440, 20.8205,
37.5971

■ 9.3086, 7.3648,
35.5815

■ 24.0235, 24.9353,
38.1974

■ 8.3509, 5.9233,
35.3538

■ 28.2546, 29.5736,
38.8697

■ 7.8594, 5.1413,
35.2288

■ 33.0594, 34.7538,
39.6163

■ 38.4593, 40.4931,
40.4395

■ 44.4740, 46.8084,
41.3415

■ 51.1227, 53.7155,
42.3243

■ 58.4236, 61.2296,
43.3899

Harmonies

Analogous

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



11.7301, 14.0815, 35.7838



14.5417, 14.0815, 36.6019



17.4082, 14.0815, 30.4054

Triad

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



14.5417, 14.0815, 36.6019



17.9380, 14.0815, 7.0284



8.7958, 14.0815, 10.8987

Complementary

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



14.5417, 14.0815, 36.6019



25.0735, 25.6374, 10.4653

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.



10.0334, 14.0815, 6.3052



14.5417, 14.0815, 36.6019



15.1866, 14.0815, 4.6850

Square

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



14.5417, 14.0815, 36.6019



19.5483, 14.0815, 12.3289



12.2895, 14.0815, 4.4787



8.6745, 14.0815, 18.7878

Rectangle

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



14.5417, 14.0815, 36.6019



18.8605, 14.0815, 24.0931



12.2895, 14.0815, 4.4787



9.0858, 14.0815, 9.0036

Sweetspot

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



14.5422, 14.0820, 36.6022



48.2803, 50.4349, 69.2464



20.3814, 29.4526, 27.1656



10.5071, 10.9593, 15.4991



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.



14.5422, 14.0820, 36.6022



21.5263, 19.6619, 64.7167



13.4613, 10.0129, 35.8738



6.8779, 7.2148, 8.9332



6.1455, 4.0704, 27.3915



0.1703, 0.1679, 0.5893

Inverse Universe

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



20.1879, 13.9556, 14.7268



33.0256, 20.4916, 19.9161



26.7056, 33.0592, 11.8118



7.1634, 7.1218, 7.8466



12.2474, 6.2550, 3.2276



0.2781, 0.1397, 0.1773

Previews

White Background



This preview shows how the XYZ color 14.5417, 14.0815, 36.6019 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 14.5417, 14.0815, 36.6019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

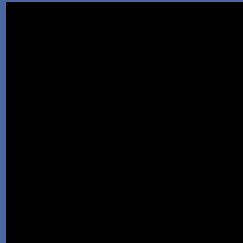
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

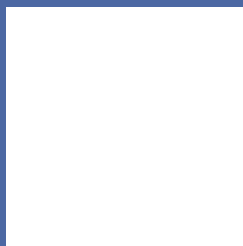
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5417, 14.0815, 36.6019

Background



This preview shows how black text looks on a background with the XYZ color 14.5417, 14.0815, 36.6019.

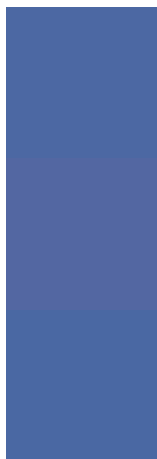


This preview shows how white text looks on a background with the XYZ color 14.5417, 14.0815,

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

14.5417, 14.0815, 36.6019

Protanopia

14.9391, 14.1481, 36.1259

Deuteranopia

14.3852, 14.0008, 36.5946



Tritanopia

11.2315, 13.9856, 20.5199

Trichromacy



Original Color

14.5417, 14.0815, 36.6019

Protanomaly

14.6801, 14.0146, 36.1138

Deuteranomaly

14.4628, 14.0408, 36.5982

Tritanomaly

12.2308, 13.9017, 25.7056

Monochromacy



Original Color

14.5417, 14.0815, 36.6019

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.0025, 13.4829, 20.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5417, 14.0815, 36.6019 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(76, 104, 163)` looks like.

```
.text, #text, p{  
    color:rgb(76, 104, 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(76, 104, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 104, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.5417, 14.0815, 36.6019 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(76, 104, 163) }
```


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

```
.border{ border-color:rgb(76, 104, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 104, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 104, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 104, 163);  
box-shadow:4px 4px 4px 4px rgb(76, 104,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5417, 14.0815, 36.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 104, 163) }
```

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

```
.background{ background-color: rgb(76, 104,  
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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