

Converting Colors

$Y_{xy}(14.8456, 0.2007, 0.1957)$

Have a look what the booklet for
Yxy(14.8456, 0.2007, 0.1957)
contains.

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Color

Yxy(14.8456, 0.2007, 0.1957)

Conversions

Conversions Part 1

Format	Color
Hex	366CB5
RGB	54, 108, 181
RGB Percent	21%, 42%, 71%
CMY	0.7883, 0.5765, 0.2901
CMYK	0.70, 0.40, 0.00, 0.29
HSL	214°, 54%, 46%
HSV	214°, 70%, 71%
XYZ	15.2249, 14.8456, 45.7885
YIQ	100.1760, -55.6170, 11.2550

Conversions

Conversions Part 2

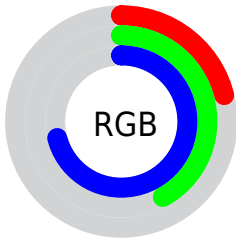
Format	Color
R_{YB}	54, 92, 181
Decimal	3566773
CIE _{Lab}	45.42, 6.80, -43.94
CIE _{LCh}	45, 44.463, 278.791
Yxy	14.8456, 0.2007, 0.1957
Android (android.graphics.Color)	4281756853 (0xFF366CB5)
YUV	100.1760, 39.8462, -40.4964
Hunter-Lab	38.5300, 3.1057, -43.4884

Details

The Yxy color **14.8456, 0.2007, 0.1957** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.2715, 0.4590, 0.4246**, and the grayscale version is **12.6977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5555, 0.2253, 0.2240**, and **4.8960, 0.1765, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **12.3699, 0.1882, 0.1738**, and if you desaturate by 10%, it is **17.7706, 0.2152, 0.2179**.

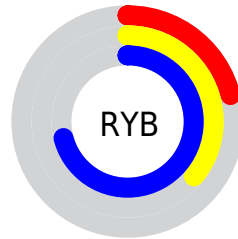
Distribution



Red (21%)

Green (42%)

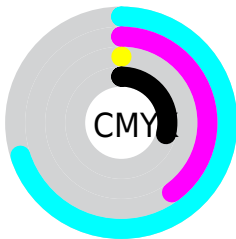
Blue (71%)



Red (21%)

Yellow (36%)

Blue (71%)

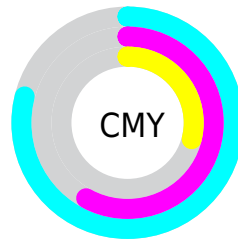


Cyan (70%)

Magenta (40%)

Yellow (0%)

Black (29%)



Cyan (79%)

Magenta (58%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8456, 0.2007, 0.1957 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 Yxy color 14.8456, 0.2007, 0.1957 by changing the saturation by 10% instead.

■ 14.8456, 0.2007,
0.1957

■ 14.8456, 0.2007,
0.1957

■ 222.4298, 0.2638,
0.2690

■ 8.7111, 0.1831,
0.1760

■ 34.5821, 0.2252,
0.2236

■ 4.5532, 0.1598,
0.1503

■ 48.9529, 0.2339,
0.2338

■ 1.9876, 0.1285,
0.1167

■ 66.8378, 0.2411,
0.2422

■ 0.6002, 0.0863,
0.0703

■ 88.6214, 0.2471,
0.2493

■ 0.0000, 0.0000,
0.0000

■ 114.6880, 0.2523,
0.2553

145.4220, 0.2567,

0.2605

181.2078, 0.2605,
0.2651

■ 14.8456, 0.2007,
0.1957

■ 14.8456, 0.2007,
0.1957

■ 12.3699, 0.1882,
0.1738

■ 17.7706, 0.2152,
0.2179

■ 10.3108, 0.1782,
0.1530

■ 21.1706, 0.2310,
0.2397

■ 8.6406, 0.1706,
0.1341

■ 25.0709, 0.2477,
0.2606

■ 29.4939, 0.2645,
0.2801

■ 34.4609, 0.2811,
0.2980

■ 39.9915, 0.2972,
0.3142

■ 46.1044, 0.3125,
0.3288

■ 52.8174, 0.3268,
0.3416

■ 60.1474, 0.3402,
0.3530

Harmonies

Analogous

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



14.8456, 0.1668, 0.2118



14.8456, 0.2007, 0.1957



14.8456, 0.2657, 0.2071

Triad

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



14.8456, 0.2007, 0.1957



14.8456, 0.4891, 0.3558



14.8456, 0.2552, 0.4475

Complementary

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



14.8456, 0.2007, 0.1957



25.2715, 0.4590, 0.4246

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.



14.8456, 0.3384, 0.4969



14.8456, 0.2007, 0.1957



14.8456, 0.4767, 0.4202

Square

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



14.8456, 0.2007, 0.1957



14.8456, 0.4432, 0.2942



14.8456, 0.4192, 0.4768



14.8456, 0.1926, 0.3492

Rectangle

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



14.8456, 0.2007, 0.1957



14.8456, 0.3241, 0.2279



14.8456, 0.4192, 0.4768



14.8456, 0.2818, 0.4720

Sweetspot

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



14.8461, 0.2007, 0.1957



60.6096, 0.2792, 0.2960



35.3445, 0.2642, 0.4281



12.5647, 0.2747, 0.2913



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



14.8461, 0.2007, 0.1957



20.1333, 0.1826, 0.1627



7.0128, 0.1849, 0.1110



8.8044, 0.2985, 0.3156



6.0871, 0.1712, 0.1364



0.3081, 0.1869, 0.1927

Inverse Universe

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



13.5456, 0.4421, 0.2594



20.3395, 0.4863, 0.2584



42.1542, 0.3978, 0.4885



8.5632, 0.3223, 0.3194



7.1546, 0.5240, 0.2660



0.2369, 0.4536, 0.2273

Previews

White Background



This preview shows how the Yxy color 14.8456, 0.2007, 0.1957 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 Yxy color 14.8456, 0.2007, 0.1957 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](#).

Yxy 14.8456, 0.2007, 0.1957

Background



This preview shows how black text looks on a background with the Yxy color 14.8456, 0.2007, 0.1957.



This preview shows how white text looks on a background with the Yxy color 14.8456, 0.2007, 0.1957.

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

14.8456, 0.2007, 0.1957

Protanopia

14.8953, 0.2148, 0.1981

Deuteranopia

14.8456, 0.2007, 0.1957



Tritanopia

14.7522, 0.2188, 0.3076

Trichromacy



Original Color

14.8456, 0.2007, 0.1957

Protanomaly

14.8280, 0.2092, 0.1970

Deuteranomaly

14.8456, 0.2007, 0.1957

Tritanomaly

14.5168, 0.2087, 0.2593

Monochromacy



Original Color

14.8456, 0.2007, 0.1957

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1245, 0.2571, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8456, 0.2007, 0.1957 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(54, 108, 181)` looks like.

```
.text, #text, p{  
  color:rgb(54, 108, 181)  
}
```

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(54, 108, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 108, 181) }
```

Border

The CSS property to change the border of an element to Yxy 14.8456, 0.2007, 0.1957 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(54, 108, 181) }
```

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

```
.border{ border-color:rgb(54, 108, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 108, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 108, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 108, 181);  
box-shadow:4px 4px 4px 4px rgb(54, 108,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8456, 0.2007, 0.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 108, 181) }
```

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

```
.background{ background-color: rgb(54, 108,  
181) }
```

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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