

Converting Colors

$Y_{xy}(17.3091, 0.2041, 0.1996)$

Have a look what the booklet for
Yxy(17.3091, 0.2041, 0.1996)
contains.

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Color

Yxy(17.3091, 0.2041, 0.1996)

Conversions

Conversions Part 1

Format	Color
Hex	3F74BF
RGB	63, 116, 191
RGB Percent	25%, 45%, 75%
CMY	0.7531, 0.5451, 0.2509
CMYK	0.67, 0.39, 0.00, 0.25
HSL	215°, 50%, 50%
HSV	215°, 67%, 75%
XYZ	17.6993, 17.3091, 51.7105
YIQ	108.7030, -55.6630, 12.0890

Conversions

Conversions Part 2

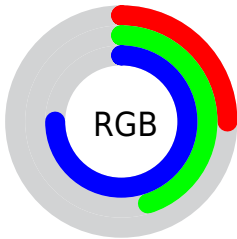
Format	Color
R _Y B	63, 100, 191
Decimal	4158655
CIE Lab	48.65, 6.87, -44.58
CIE LCh	49, 45.106, 278.764
Yxy	17.3091, 0.2041, 0.1996
Android (android.graphics.Color)	4282348735 (0xFF3F74BF)
YUV	108.7030, 40.5724, -40.0815
Hunter-Lab	41.6042, 3.1304, -44.5695

Details

The Yxy color **17.3091, 0.2041, 0.1996** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.6117, 0.4507, 0.4240**, and the grayscale version is **15.0979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9935, 0.2269, 0.2262**, and **6.0624, 0.1786, 0.1630** is the 20% darker color. If you saturate the color by 10%, you get **14.3599, 0.1908, 0.1771**, and if you desaturate by 10%, it is **20.7884, 0.2193, 0.2223**.

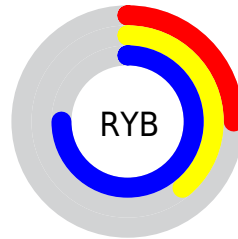
Distribution



Red (25%)

Green (45%)

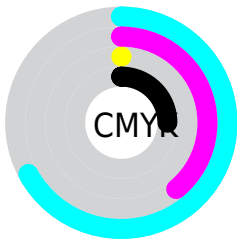
Blue (75%)



Red (25%)

Yellow (39%)

Blue (75%)

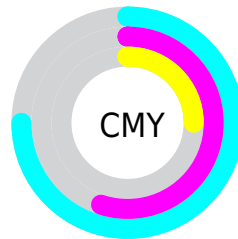


Cyan (67%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (75%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3091, 0.2041, 0.1996 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 17.3091, 0.2041, 0.1996 by changing the saturation by 10% instead.

■ 17.3091, 0.2041,
0.1996

■ 17.3091, 0.2041,
0.1996

■ 236.9474, 0.2641,
0.2694

■ 10.4551, 0.1878,
0.1813

■ 38.8565, 0.2270,
0.2259

■ 5.7017, 0.1665,
0.1576

■ 54.3186, 0.2353,
0.2355

■ 2.6646, 0.1379,
0.1268

■ 73.4190, 0.2422,
0.2435

■ 0.9592, 0.0996,
0.0868

■ 96.5419, 0.2480,
0.2503

■ 0.0000, 0.0055,
0.0000

■ 124.0718, 0.2529,
0.2561

■ 0.0000, 0.0000,
0.0000

156.3931, 0.2572,

0.2612

193.8902, 0.2609,
0.2656

■ 17.3091, 0.2041,
0.1996

■ 17.3091, 0.2041,
0.1996

■ 14.3599, 0.1908,
0.1771

■ 20.7884, 0.2193,
0.2223

■ 11.9043, 0.1799,
0.1555

■ 24.8268, 0.2356,
0.2444

■ 9.8986, 0.1717,
0.1356

■ 29.4529, 0.2525,
0.2654

■ 9.3705, 0.1695,
0.1301

■ 34.6925, 0.2695,
0.2849

■ 40.5695, 0.2861,
0.3027

■ 47.1067, 0.3020,
0.3188

■ 54.3255, 0.3171,
0.3331

■ 62.2462, 0.3312,
0.3457

■ 70.8885, 0.3442,
0.3569

Harmonies

Analogous

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



17.3091, 0.1710, 0.2157



17.3091, 0.2041, 0.1996



17.3091, 0.2674, 0.2106

Triad

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



17.3091, 0.2041, 0.1996



17.3091, 0.4830, 0.3558



17.3091, 0.2576, 0.4427

Complementary

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



17.3091, 0.2041, 0.1996



29.6117, 0.4507, 0.4240

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.



17.3091, 0.3383, 0.4905



17.3091, 0.2041, 0.1996



17.3091, 0.4717, 0.4183

Square

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



17.3091, 0.2041, 0.1996



17.3091, 0.4385, 0.2956



17.3091, 0.4165, 0.4723



17.3091, 0.1966, 0.3489

Rectangle

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



17.3091, 0.2041, 0.1996



17.3091, 0.3238, 0.2309



17.3091, 0.4165, 0.4723



17.3091, 0.2834, 0.4662

Sweetspot

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



17.3097, 0.2041, 0.1996



69.0603, 0.2807, 0.2970



40.1522, 0.2637, 0.4194



14.5054, 0.2760, 0.2920



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



17.3097, 0.2041, 0.1996



23.7478, 0.1859, 0.1678



8.7559, 0.1915, 0.1200



9.8570, 0.2984, 0.3152



6.3076, 0.1702, 0.1325



0.3764, 0.1836, 0.1810

Inverse Universe

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



15.8919, 0.4366, 0.2626



23.7241, 0.4787, 0.2597



47.3751, 0.3937, 0.4853



9.6001, 0.3225, 0.3195



7.6664, 0.5292, 0.2689



0.3134, 0.4674, 0.2348

Previews

White Background



This preview shows how the Yxy color 17.3091, 0.2041, 0.1996 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 17.3091, 0.2041, 0.1996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

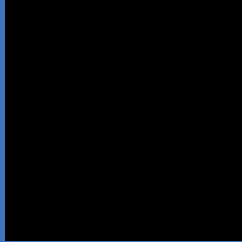
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

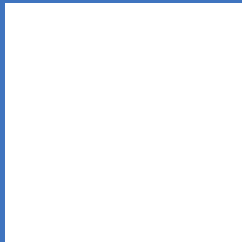
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.3091, 0.2041, 0.1996

Background



This preview shows how black text looks on a background with the Yxy color 17.3091, 0.2041, 0.1996.



This preview shows how white text looks on a background with the Yxy color 17.3091, 0.2041, 0.1996.

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

17.3091, 0.2041, 0.1996

Protanopia

17.1505, 0.2173, 0.2002

Deuteranopia

17.3762, 0.2051, 0.1999



Tritanopia

17.2333, 0.2229, 0.3048

Trichromacy



Original Color

17.3091, 0.2041, 0.1996

Protanomaly

17.0622, 0.2118, 0.1991

Deuteranomaly

17.3424, 0.2046, 0.1998

Tritanomaly

17.0316, 0.2139, 0.2601

Monochromacy



Original Color

17.3091, 0.2041, 0.1996

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.7277, 0.2596, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3091, 0.2041, 0.1996 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(63, 116, 191)` looks like.

```
.text, #text, p{  
    color:rgb(63, 116, 191)  
}
```

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(63, 116, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 116, 191) }
```

Border

The CSS property to change the border of an element to Yxy 17.3091, 0.2041, 0.1996 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(63, 116, 191) }
```

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

```
.border{ border-color:rgb(63, 116, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 116, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 116, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 116, 191);  
box-shadow:4px 4px 4px 4px rgb(63, 116,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3091, 0.2041, 0.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 116, 191) }
```

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

```
.background{ background-color: rgb(63, 116,  
191) }
```

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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