

Converting Colors

$Y_{xy}(10.6015, 0.1729, 0.0979)$

Have a look what the booklet for
Yxy(10.6015, 0.1729, 0.0979)
contains.

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Color

Yxy(10.5523, 0.1728, 0.0976)

Conversions

Conversions Part 1

Format	Color
Hex	3F3FEA
RGB	63, 63, 234
RGB Percent	25%, 25%, 92%
CMY	0.7524, 0.7531, 0.0824
CMYK	0.73, 0.73, 0.00, 0.08
HSL	240°, 80%, 58%
HSV	240°, 73%, 92%
XYZ	18.6828, 10.5523, 78.8828
YIQ	82.4940, -54.8910, 53.1810

Conversions

Conversions Part 2

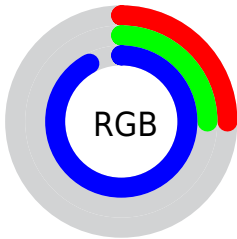
Format	Color
R _{YB}	63, 63, 234
Decimal	4145130
CIE Lab	38.82, 54.44, -85.12
CIE LCh	39, 101.038, 302.604
Yxy	10.5523, 0.1728, 0.0976
Android (android.graphics.Color)	4282335210 (0xFF3F3FEA)
YUV	82.4940, 74.6925, -17.0962
Hunter-Lab	32.4843, 45.8135, -121.2370

Details

The Yxy color **10.5523, 0.1728, 0.0976** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **76.6581, 0.4090, 0.4884**, and the grayscale version is **8.4019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.1812, 0.2181, 0.1554**, and **3.5449, 0.1517, 0.0662** is the 20% darker color. If you saturate the color by 10%, you get **7.8748, 0.1601, 0.0766**, and if you desaturate by 10%, it is **14.6569, 0.1900, 0.1261**.

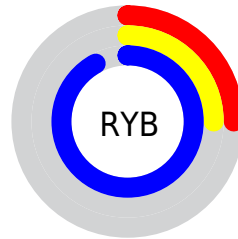
Distribution



Red (25%)

Green (25%)

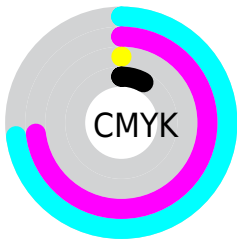
Blue (92%)



Red (25%)

Yellow (25%)

Blue (92%)

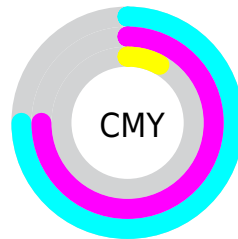


Cyan (73%)

Magenta (73%)

Yellow (0%)

Black (8%)



Cyan (75%)


Magenta (75%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5523, 0.1728, 0.0976 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 10.5523, 0.1728, 0.0976 by changing the saturation by 10% instead.


 10.5523, 0.1728,
0.0976


 10.5523, 0.1728,
0.0976


194.5698, 0.2520,
0.2063


 5.7667, 0.1527,
0.0763


 26.8293, 0.2024,
0.1334

 2.7037, 0.1280,
0.0532


 39.0894, 0.2135,
0.1481


 0.9791, 0.0979,
0.0300

 54.6098, 0.2227,
0.1610

 0.0000, 0.0639,
0.0000

 73.7748, 0.2304,
0.1723

 0.0000, 0.0135,
0.0000

 96.9690, 0.2371,
0.1824

 0.0000, 0.0000,
0.0000

 124.5766, 0.2428,

0.1913

156.9820, 0.2477,
0.1992

■ 10.5523, 0.1728,
0.0976

■ 10.5523, 0.1728,
0.0976

■ 7.8748, 0.1601,
0.0766

■ 14.6569, 0.1900,
0.1261

■ 6.4289, 0.1526,
0.0643

■ 20.3489, 0.2103,
0.1596

■ 5.9411, 0.1500,
0.0600

■ 27.7679, 0.2319,
0.1953

■ 37.0379, 0.2533,
0.2307

■ 48.2719, 0.2735,
0.2641

61.5735, 0.2919,
0.2945

77.0391, 0.3081,
0.3214

94.7593, 0.3223,
0.3449

98.7197, 0.3250,
0.3493

Harmonies

Analogous

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



10.5523, 0.0865, 0.0859



10.5523, 0.1728, 0.0976



10.5523, 0.3510, 0.1406

Triad

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



10.5523, 0.1728, 0.0976



10.5523, 0.6197, 0.3803



10.5523, 0.0734, 0.4109

Complementary

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



10.5523, 0.1728, 0.0976



76.6581, 0.4090, 0.4884

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.



10.5523, 0.1656, 0.7301



10.5523, 0.1728, 0.0976



10.5523, 0.4726, 0.5274

Square

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



10.5523, 0.1728, 0.0976



10.5523, 0.6884, 0.2878



10.5523, 0.3023, 0.6977



10.5523, 0.0452, 0.1814

Rectangle

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



10.5523, 0.1728, 0.0976



10.5523, 0.5133, 0.1870



10.5523, 0.3023, 0.6977



10.5523, 0.0966, 0.5319

Sweetspot

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



10.5525, 0.1728, 0.0976



60.1567, 0.2754, 0.2672



65.8328, 0.2313, 0.3288



12.0131, 0.2701, 0.2585



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



10.5525, 0.1728, 0.0976



8.4677, 0.1555, 0.0690



15.8318, 0.2330, 0.1276



14.5497, 0.2980, 0.3046



3.3394, 0.1500, 0.0600



0.2625, 0.1501, 0.0601

Inverse Universe

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



26.9718, 0.3203, 0.1710



29.4253, 0.3210, 0.1581



65.5364, 0.3457, 0.5317



15.3135, 0.3138, 0.3058



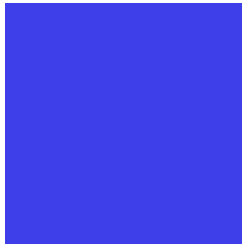
13.1609, 0.3212, 0.1543



1.0335, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 10.5523, 0.1728, 0.0976 looks on a white background.

Color Contrast Check

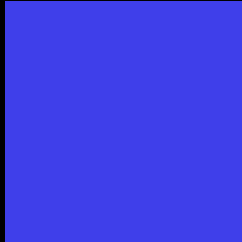
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5523, 0.1728, 0.0976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

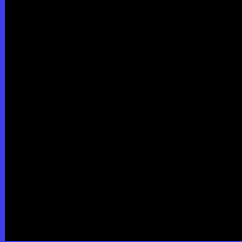
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5523, 0.1728, 0.0976

Background



This preview shows how black text looks on a background with the Yxy color 10.5523, 0.1728, 0.0976.



This preview shows how white text looks on a background with the Yxy color 10.5523, 0.1728, 0.0976.

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

10.5523, 0.1728, 0.0976

Protanopia

10.2771, 0.1747, 0.1489

Deuteranopia

10.2630, 0.1865, 0.1914

Trichromacy



Original Color

10.5523, 0.1728, 0.0976

Protanomaly

9.8952, 0.1702, 0.1226

Deuteranomaly

9.7195, 0.1758, 0.1409

Monochromacy



Original Color

10.5523, 0.1728, 0.0976

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.5404, 0.2315, 0.1948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5523, 0.1728, 0.0976 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, 63, 234)` looks like.

```
.text, #text, p{  
    color:rgb(63, 63, 234)  
}
```

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, 63, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 63, 234) }
```

Border

The CSS property to change the border of an element to Yxy 10.5523, 0.1728, 0.0976 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, 63, 234) }
```

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

```
.border{ border-color:rgb(63, 63, 234) }
```

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

Here you see how a box with a 4 pixel rgb(63, 63, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 63, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 63, 234);  
box-shadow:4px 4px 4px 4px rgb(63, 63,  
234) }
```

Background

The CSS property to change the background color of an element to Yxy 10.5523, 0.1728, 0.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 63, 234) }
```

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

```
.background{ background-color: rgb(63, 63,  
234) }
```

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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