

Converting Colors

$Yxy(36.1366, 0.2244, 0.2184)$

Have a look what the booklet for
Yxy(36.1366, 0.2244, 0.2184)
contains.

Yxy(36.1366, 0.2244, 0.2184)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.1366, 0.2244, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	78A1F6
RGB	120, 161, 246
RGB Percent	47%, 63%, 96%
CMY	0.5292, 0.3687, 0.0354
CMYK	0.51, 0.35, 0.00, 0.04
HSL	220°, 87%, 72%
HSV	220°, 51%, 96%
XYZ	37.1294, 36.1366, 92.1947
YIQ	158.4310, -51.7210, 17.7430

Conversions

Conversions Part 2

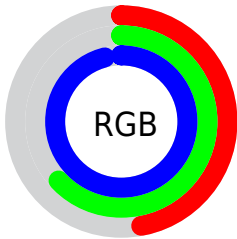
Format	Color
R _Y B	120, 151, 246
Decimal	7905782
CIE Lab	66.62, 9.37, -46.76
CIE LCh	67, 47.684, 281.331
Yxy	36.1366, 0.2244, 0.2184
Android (android.graphics.Color)	4286095862 (0xFF78A1F6)
YUV	158.4310, 43.1715, -33.7040
Hunter-Lab	60.1137, 5.0519, -48.8517

Details

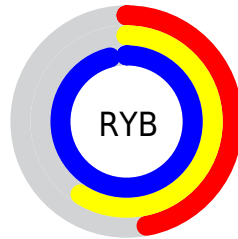
The Yxy color **36.1366, 0.2244, 0.2184** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.6383, 0.4085, 0.4175**, and the grayscale version is **34.2218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2859, 0.2640, 0.2838**, and **15.7558, 0.2005, 0.1907** is the 20% darker color. If you saturate the color by 10%, you get **29.1756, 0.2071, 0.1922**, and if you desaturate by 10%, it is **44.3225, 0.2425, 0.2438**.

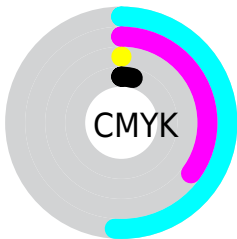
Distribution



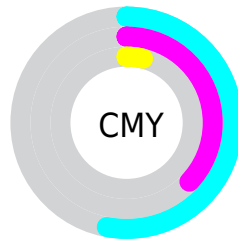
- Red (47%)
- Green (63%)
- Blue (96%)



- Red (47%)
- Yellow (59%)
- Blue (96%)



- Cyan (51%)
- Magenta (35%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (37%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1366, 0.2244, 0.2184 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 36.1366, 0.2244, 0.2184 by changing the saturation by 10% instead.

■ 36.1366, 0.2244,
0.2184

■ 36.1366, 0.2244,
0.2184

■ 329.5572, 0.2686,
0.2722

■ 24.5397, 0.2137,
0.2058

■ 69.2429, 0.2403,
0.2374

■ 15.7345, 0.2003,
0.1902

■ 91.5210, 0.2463,
0.2447

■ 9.3364, 0.1831,
0.1706

■ 118.1284, 0.2514,
0.2510

■ 4.9613, 0.1605,
0.1455

■ 149.4493, 0.2559,
0.2564

■ 2.2246, 0.1305,
0.1131

■ 185.8683, 0.2597,
0.2611

■ 0.7333, 0.0906,
0.0716

■ 227.7697, 0.2630,

■ 0.0000, 0.0000,

0.2652

0.0000

275.5379, 0.2660,
0.2689

■ 36.1366, 0.2244,
0.2184

■ 36.1366, 0.2244,
0.2184

■ 29.1756, 0.2071,
0.1922

■ 44.3225, 0.2425,
0.2438

■ 23.3701, 0.1915,
0.1663

■ 53.7894, 0.2607,
0.2676

■ 18.6488, 0.1783,
0.1416

■ 64.5945, 0.2784,
0.2896

■ 14.9286, 0.1682,
0.1195

■ 76.7899, 0.2952,
0.3094

■ 12.3833, 0.1619,
0.1028

■ 90.4250, 0.3109,
0.3270

99.4329, 0.3179,
0.3376

Harmonies

Analogous

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



36.1366, 0.1929, 0.2314



36.1366, 0.2244, 0.2184



36.1366, 0.2811, 0.2294

Triad

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



36.1366, 0.2244, 0.2184



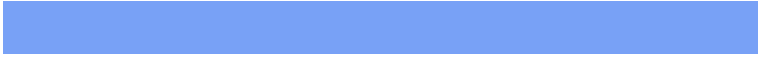
36.1366, 0.4555, 0.3595



36.1366, 0.2628, 0.4153

Complementary

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



36.1366, 0.2244, 0.2184



64.6383, 0.4085, 0.4175

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.



36.1366, 0.3307, 0.4594



36.1366, 0.2244, 0.2184



36.1366, 0.4446, 0.4124

Square

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



36.1366, 0.2244, 0.2184



36.1366, 0.4216, 0.3064



36.1366, 0.3975, 0.4530



36.1366, 0.2119, 0.3400

Rectangle

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



36.1366, 0.2244, 0.2184



36.1366, 0.3292, 0.2482



36.1366, 0.3975, 0.4530



36.1366, 0.2844, 0.4353

Sweetspot

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



36.1379, 0.2244, 0.2184



78.0730, 0.2888, 0.3021



74.2608, 0.2652, 0.3816



16.1119, 0.2853, 0.2979



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.



36.1379, 0.2244, 0.2184



31.7133, 0.2072, 0.1924



25.7688, 0.2283, 0.1713



16.8062, 0.2980, 0.3126



6.8363, 0.1627, 0.1057



0.7800, 0.1696, 0.1304

Inverse Universe

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



35.6118, 0.4104, 0.2857



32.4715, 0.4413, 0.2796



83.2678, 0.3724, 0.4601



16.5713, 0.3242, 0.3213



10.7895, 0.5673, 0.2899



0.9664, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 36.1366, 0.2244, 0.2184 looks on a white background.

Color Contrast Check

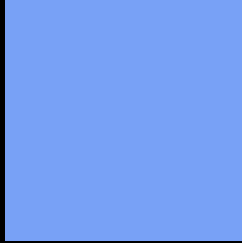
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.1366, 0.2244, 0.2184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

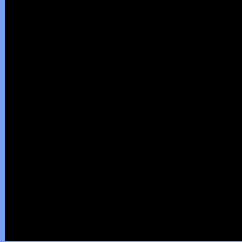
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

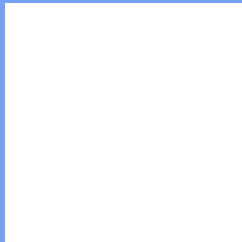
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1366, 0.2244, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 36.1366, 0.2244, 0.2184.



This preview shows how white text looks on a background with the Yxy color 36.1366, 0.2244, 0.2184.

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

36.1366, 0.2244, 0.2184

Protanopia

36.2335, 0.2317, 0.2195

Deuteranopia

36.1366, 0.2244, 0.2184



Tritanopia

36.2417, 0.2482, 0.3072

Trichromacy



Original Color

36.1366, 0.2244, 0.2184

Protanomaly

36.3234, 0.2291, 0.2192

Deuteranomaly

36.1366, 0.2244, 0.2184

Tritanomaly

36.1181, 0.2391, 0.2719

Monochromacy



Original Color

36.1366, 0.2244, 0.2184

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.4433, 0.2738, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1366, 0.2244, 0.2184 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(120, 161, 246)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 246)  
}
```

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(120, 161, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 246) }
```

Border

The CSS property to change the border of an element to Yxy 36.1366, 0.2244, 0.2184 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(120, 161, 246) }
```

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

```
.border{ border-color:rgb(120, 161, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 246);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1366, 0.2244, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 246) }
```

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

```
.background{ background-color: rgb(120,  
161, 246) }
```

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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