

Converting Colors

$Y_{xy}(34.0236, 0.2104, 0.2015)$

Have a look what the booklet for
Yxy(34.0236, 0.2104, 0.2015)
contains.

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Color

Yxy(34.1587, 0.2105, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	669DFF
RGB	102, 157, 255
RGB Percent	40%, 62%, 100%
CMY	0.5997, 0.3844, 0.0000
CMYK	0.60, 0.38, 0.00, 0.00
HSL	218°, 100%, 70%
HSV	218°, 60%, 100%
XYZ	35.5961, 34.1587, 99.3477
YIQ	151.7270, -64.2380, 18.8180

Conversions

Conversions Part 2

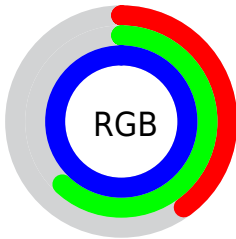
Format	Color
RYB	102, 142, 255
Decimal	6725119
CIELab	65.09, 10.89, -54.18
CIELCh	65, 55.258, 281.362
Yxy	34.1587, 0.2105, 0.2020
Android (android.graphics.Color)	4284915199 (0xFF669DFF)
YUV	151.7270, 50.9136, -43.6106
Hunter-Lab	58.4454, 6.4355, -59.8715

Details

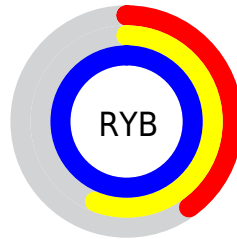
The Yxy color **34.1587, 0.2105, 0.2020** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.5744, 0.4306, 0.4256**, and the grayscale version is **31.0798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5951, 0.2548, 0.2780**, and **14.5559, 0.1831, 0.1700** is the 20% darker color. If you saturate the color by 10%, you get **27.7240, 0.1950, 0.1770**, and if you desaturate by 10%, it is **41.7901, 0.2275, 0.2269**.

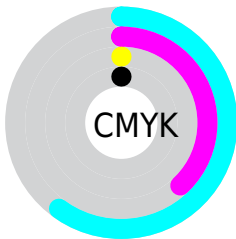
Distribution



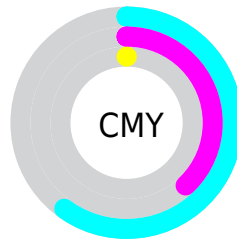
- Red (40%)
- Green (62%)
- Blue (100%)



- Red (40%)
- Yellow (56%)
- Blue (100%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1587, 0.2105, 0.2020 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 34.1587, 0.2105, 0.2020 by changing the saturation by 10% instead.


 34.1587, 0.2105,
0.2020


 34.1587, 0.2105,
0.2020


320.8391, 0.2614,
0.2632


 23.0155, 0.1984,
0.1880


 66.1804, 0.2287,
0.2234

 14.6050, 0.1833,
0.1708


 87.8277, 0.2356,
0.2317

 8.5426, 0.1643,
0.1496


 113.7452, 0.2415,
0.2389

 4.4441, 0.1400,
0.1231

144.3173, 0.2466,
0.2450

 1.9249, 0.1087,
0.0905

179.9283, 0.2511,
0.2505

 0.5633, 0.0699,
0.0491

220.9627, 0.2550,

 0.0000, 0.0000,

0.2552

0.0000

267.8048, 0.2584,
0.2595

■ 34.1587, 0.2105,
0.2020

■ 34.1587, 0.2105,
0.2020

■ 27.7240, 0.1950,
0.1770

■ 41.7901, 0.2275,
0.2269

■ 22.4152, 0.1819,
0.1529

■ 50.6857, 0.2453,
0.2509

■ 18.1487, 0.1716,
0.1307

■ 60.9051, 0.2631,
0.2734

■ 14.8066, 0.1643,
0.1114

■ 72.5042, 0.2805,
0.2940

■ 14.7971, 0.1643,
0.1113

■ 85.5355, 0.2972,
0.3125

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



34.1587, 0.1753, 0.2155



34.1587, 0.2105, 0.2020



34.1587, 0.2751, 0.2149

Triad

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



34.1587, 0.2105, 0.2020



34.1587, 0.4804, 0.3611



34.1587, 0.2528, 0.4329

Complementary

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



34.1587, 0.2105, 0.2020



63.5744, 0.4306, 0.4256

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.



34.1587, 0.3311, 0.4851



34.1587, 0.2105, 0.2020



34.1587, 0.4653, 0.4222

Square

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



34.1587, 0.2105, 0.2020



34.1587, 0.4413, 0.3014



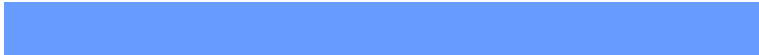
34.1587, 0.4088, 0.4729



34.1587, 0.1953, 0.3405

Rectangle

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



34.1587, 0.2105, 0.2020



34.1587, 0.3314, 0.2361



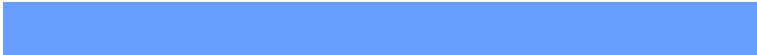
34.1587, 0.4088, 0.4729



34.1587, 0.2776, 0.4572

Sweetspot

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



34.1580, 0.2105, 0.2020



74.9543, 0.2839, 0.2978



78.4698, 0.2624, 0.3995



15.2722, 0.2789, 0.2921



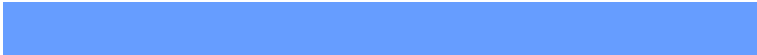
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



34.1580, 0.2105, 0.2020



26.5568, 0.1922, 0.1720



20.9107, 0.2076, 0.1405



18.4451, 0.2979, 0.3133



7.9878, 0.1651, 0.1143



0.9757, 0.1713, 0.1367

Inverse Universe

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



33.2124, 0.4310, 0.2748



27.6328, 0.4699, 0.2702



90.0769, 0.3834, 0.4778



18.0948, 0.3238, 0.3205



11.5343, 0.5548, 0.2830



1.1430, 0.5235, 0.2657

Previews

White Background



This preview shows how the Yxy color 34.1587, 0.2105, 0.2020 looks on a white background.

Color Contrast Check

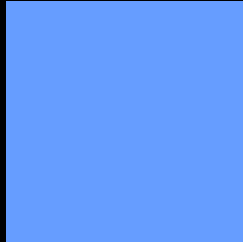
Large Text (above 18pt) WCAG AA × Fail

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 34.1587, 0.2105, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

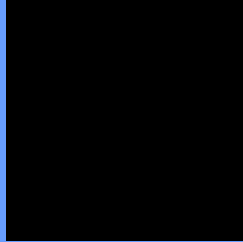
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

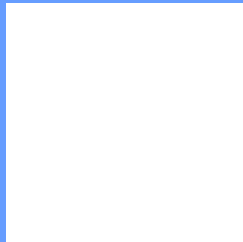
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.1587, 0.2105, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 34.1587, 0.2105, 0.2020.



This preview shows how white text looks on a background with the Yxy color 34.1587, 0.2105, 0.2020.

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

34.1587, 0.2105, 0.2020

Protanopia

34.0614, 0.2193, 0.2033

Deuteranopia

34.2704, 0.2090, 0.2028



Tritanopia

34.3474, 0.2339, 0.3078

Trichromacy



Original Color

34.1587, 0.2105, 0.2020

Protanomaly

34.0452, 0.2160, 0.2028

Deuteranomaly

34.3264, 0.2095, 0.2030

Tritanomaly

34.0844, 0.2242, 0.2641

Monochromacy



Original Color

34.1587, 0.2105, 0.2020

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.8537, 0.2656, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1587, 0.2105, 0.2020 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(102, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 157, 255)  
}
```

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(102, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 157, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.1587, 0.2105, 0.2020 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(102, 157, 255) }
```

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

```
.border{ border-color:rgb(102, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 157,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1587, 0.2105, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 157, 255) }
```

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

```
.background{ background-color: rgb(102,  
157, 255) }
```

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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