

Converting Colors

$Y_{xy}(28.0948, 0.2169, 0.2067)$

Have a look what the booklet for
Yxy(28.0948, 0.2169, 0.2067)
contains.

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Color

Yxy(28.1268, 0.2172, 0.2075)

Conversions

Conversions Part 1

Format	Color
Hex	668FE5
RGB	102, 143, 229
RGB Percent	40%, 56%, 90%
CMY	0.6000, 0.4392, 0.1021
CMYK	0.55, 0.38, 0.00, 0.10
HSL	221°, 71%, 65%
HSV	221°, 55%, 90%
XYZ	29.4416, 28.1268, 77.9824
YIQ	140.5450, -52.0420, 18.0540

Conversions

Conversions Part 2

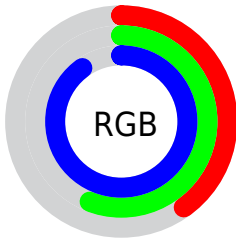
Format	Color
RYB	102, 133, 229
Decimal	6721509
CIELab	60.00, 10.71, -47.90
CIELCh	60, 49.083, 282.601
Yxy	28.1268, 0.2172, 0.2075
Android (android.graphics.Color)	4284911589 (0xFF668FE5)
YUV	140.5450, 43.6083, -33.8040
Hunter-Lab	53.0347, 6.2816, -50.0559

Details

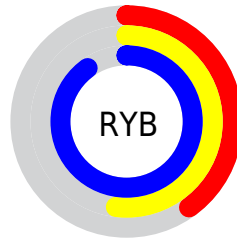
The Yxy color **28.1268, 0.2172, 0.2075** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **53.5675, 0.4168, 0.4238**, and the grayscale version is **26.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2769, 0.2510, 0.2596**, and **11.2209, 0.1890, 0.1741** is the 20% darker color. If you saturate the color by 10%, you get **22.6316, 0.2005, 0.1813**, and if you desaturate by 10%, it is **34.6365, 0.2350, 0.2333**.

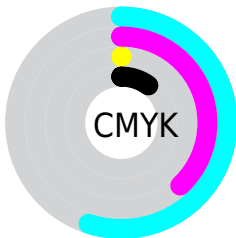
Distribution



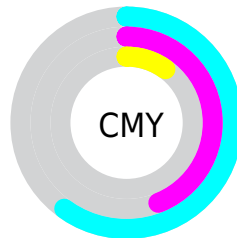
- Red (40%)
- Green (56%)
- Blue (90%)



- Red (40%)
- Yellow (52%)
- Blue (90%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)
- Black (10%)



- Cyan (60%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1268, 0.2172, 0.2075 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 28.1268, 0.2172, 0.2075 by changing the saturation by 10% instead.

■ 28.1268, 0.2172,
0.2075

■ 28.1268, 0.2172,
0.2075

■ 293.0723, 0.2667,
0.2684

■ 18.4213, 0.2048,
0.1928

■ 56.6868, 0.2353,
0.2293

■ 11.2529, 0.1890,
0.1746

■ 76.3101, 0.2421,
0.2377

■ 6.2372, 0.1685,
0.1514

■ 100.0081, 0.2479,
0.2447

■ 2.9898, 0.1413,
0.1217

■ 128.1651, 0.2528,
0.2508

■ 1.1264, 0.1051,
0.0841

■ 161.1657, 0.2570,
0.2561

■ 0.0003, 0.0428,
0.0001

■ 199.3942, 0.2606,

■ 0.0000, 0.0000,

0.2607

0.0000

243.2349, 0.2639,
0.2648

■ 28.1268, 0.2172,
0.2075

■ 28.1268, 0.2172,
0.2075

■ 22.6316, 0.2005,
0.1813

■ 34.6365, 0.2350,
0.2333

■ 18.0908, 0.1858,
0.1558

■ 42.2104, 0.2532,
0.2578

■ 14.4407, 0.1738,
0.1321


■ 50.8978, 0.2711,
0.2806

■ 11.6065, 0.1651,
0.1113

■ 60.7440, 0.2882,
0.3013

■ 10.5443, 0.1620,
0.1030

■ 71.7916, 0.3044,
0.3198

 84.0809, 0.3194,
0.3362

 96.2414, 0.3284,
0.3510

 98.4354, 0.3280,
0.3542

Harmonies

Analogous

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



28.1268, 0.1820, 0.2197



28.1268, 0.2172, 0.2075



28.1268, 0.2803, 0.2207

Triad

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



28.1268, 0.2172, 0.2075



28.1268, 0.4724, 0.3631



28.1268, 0.2534, 0.4236

Complementary

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



28.1268, 0.2172, 0.2075



53.5675, 0.4168, 0.4238

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.



28.1268, 0.3279, 0.4754



28.1268, 0.2172, 0.2075



28.1268, 0.4568, 0.4214

Square

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



28.1268, 0.2172, 0.2075



28.1268, 0.4371, 0.3054



28.1268, 0.4023, 0.4676



28.1268, 0.1992, 0.3367

Rectangle

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



28.1268, 0.2172, 0.2075



28.1268, 0.3342, 0.2417



28.1268, 0.4023, 0.4676



28.1268, 0.2769, 0.4471

Sweetspot

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



28.1278, 0.2172, 0.2075



75.3665, 0.2855, 0.2980



62.4195, 0.2627, 0.3866



15.5726, 0.2820, 0.2939



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.



28.1278, 0.2172, 0.2075



27.6693, 0.1975, 0.1763



19.3840, 0.2204, 0.1577



14.6432, 0.2981, 0.3126



6.2243, 0.1627, 0.1057



0.6236, 0.1708, 0.1349

Inverse Universe

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



28.1412, 0.4228, 0.2832



29.4974, 0.4621, 0.2776



70.3630, 0.3760, 0.4694



14.4443, 0.3242, 0.3214



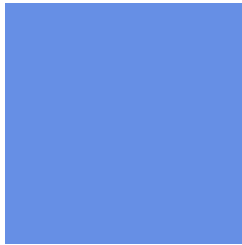
9.8261, 0.5674, 0.2899



0.7426, 0.5260, 0.2671

Previews

White Background



This preview shows how the Yxy color 28.1268, 0.2172, 0.2075 looks on a white background.

Color Contrast Check

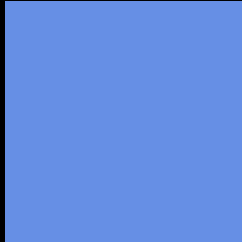
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.1268, 0.2172, 0.2075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

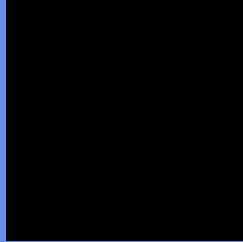
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

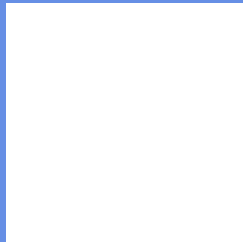
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1268, 0.2172, 0.2075

Background



This preview shows how black text looks on a background with the Yxy color 28.1268, 0.2172, 0.2075.



This preview shows how white text looks on a background with the Yxy color 28.1268, 0.2172, 0.2075.

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

28.1268, 0.2172, 0.2075

Protanopia

28.0405, 0.2234, 0.2083

Deuteranopia

28.0905, 0.2143, 0.2080



Tritanopia

28.2664, 0.2417, 0.3080

Trichromacy



Original Color

28.1268, 0.2172, 0.2075

Protanomaly

28.1356, 0.2208, 0.2080

Deuteranomaly

28.2003, 0.2153, 0.2083

Tritanomaly

27.8772, 0.2314, 0.2655

Monochromacy



Original Color

28.1268, 0.2172, 0.2075

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8752, 0.2699, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1268, 0.2172, 0.2075 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, 143, 229)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 229)  
}
```

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, 143, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 229) }
```

Border

The CSS property to change the border of an element to Yxy 28.1268, 0.2172, 0.2075 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, 143, 229) }
```

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

```
.border{ border-color:rgb(102, 143, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 143, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 229);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1268, 0.2172, 0.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 143, 229) }
```

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

```
.background{ background-color: rgb(102,  
143, 229) }
```

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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