

Converting Colors

$Y_{xy}(28.7854, 0.2351, 0.2362)$

Have a look what the booklet for
Yxy(28.7854, 0.2351, 0.2362)
contains.

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Color

Yxy(28.6719, 0.2351, 0.2358)

Conversions

Conversions Part 1

Format	Color
Hex	7192D1
RGB	113, 146, 209
RGB Percent	44%, 57%, 82%
CMY	0.5572, 0.4274, 0.1805
CMYK	0.46, 0.30, 0.00, 0.18
HSL	219°, 51%, 63%
HSV	219°, 46%, 82%
XYZ	28.5868, 28.6719, 64.3355
YIQ	143.3150, -39.8910, 12.5970

Conversions

Conversions Part 2

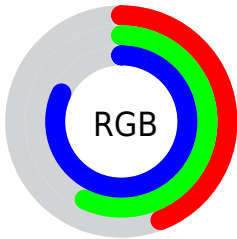
Format	Color
R_{YB}	113, 138, 209
Decimal	7443153
CIE Lab	60.49, 5.30, -35.95
CIE LCh	60, 36.334, 278.385
Yxy	28.6719, 0.2351, 0.2358
Android (android.graphics.Color)	4285633233 (0xFF7192D1)
YUV	143.3150, 32.3827, -26.5863
Hunter-Lab	53.5461, 1.5904, -33.7544

Details

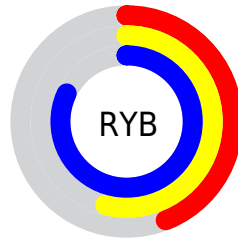
The Yxy color **28.6719, 0.2351, 0.2358** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.7416, 0.3976, 0.4063**, and the grayscale version is **27.4747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9636, 0.2564, 0.2653**, and **11.5687, 0.2110, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **23.4708, 0.2177, 0.2110**, and if you desaturate by 10%, it is **34.7000, 0.2529, 0.2594**.

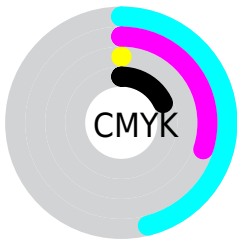
Distribution



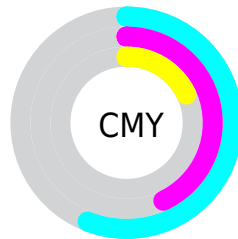
- Red (44%)
- Green (57%)
- Blue (82%)



- Red (44%)
- Yellow (54%)
- Blue (82%)



- Cyan (46%)
- Magenta (30%)
- Yellow (0%)
- Black (18%)



- Cyan (56%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6719, 0.2351, 0.2358 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 28.6719, 0.2351, 0.2358 by changing the saturation by 10% instead.

■ 28.6719, 0.2351,
0.2358

■ 28.6719, 0.2351,
0.2358

■ 295.6637, 0.2758,
0.2839

■ 18.8328, 0.2245,
0.2236

■ 57.5554, 0.2502,
0.2535

■ 11.5495, 0.2109,
0.2080

■ 77.3685, 0.2558,
0.2600

■ 6.4377, 0.1926,
0.1874

■ 101.2751, 0.2605,
0.2656

■ 3.1130, 0.1673,
0.1594

■ 129.6596, 0.2645,
0.2703

■ 1.1910, 0.1312,
0.1204

■ 162.9063, 0.2679,
0.2744

■ 0.0544, 0.0468,
0.0141

■ 201.3996, 0.2709,

■ 0.0000, 0.0000,

0.2780

0.0000

245.5239, 0.2735,
0.2811

■ 28.6719, 0.2351,
0.2358

■ 28.6719, 0.2351,
0.2358

■ 23.4708, 0.2177,
0.2110

■ 34.7000, 0.2529,
0.2594

■ 19.0535, 0.2014,
0.1857

■ 41.5889, 0.2706,
0.2814

■ 15.3771, 0.1870,
0.1609

■ 49.3742, 0.2876,
0.3013

■ 12.3926, 0.1753,
0.1376

■ 58.0885, 0.3036,
0.3193

■ 10.0419, 0.1666,
0.1170

■ 67.7626, 0.3186,
0.3352

■ 9.2411, 0.1638,
0.1095

■ 78.4259, 0.3324,
0.3492

■ 89.3011, 0.3422,
0.3617

■ 97.3824, 0.3400,
0.3741

Harmonies

Analogous

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



28.6719, 0.2100, 0.2502



28.6719, 0.2351, 0.2358



28.6719, 0.2816, 0.2429

Triad

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



28.6719, 0.2351, 0.2358



28.6719, 0.4293, 0.3523



28.6719, 0.2774, 0.4037

Complementary

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



28.6719, 0.2351, 0.2358



45.7416, 0.3976, 0.4063

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.



28.6719, 0.3351, 0.4361



28.6719, 0.2351, 0.2358



28.6719, 0.4251, 0.3970

Square

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



28.6719, 0.2351, 0.2358



28.6719, 0.3978, 0.3068



28.6719, 0.3895, 0.4302



28.6719, 0.2320, 0.3451

Rectangle

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



28.6719, 0.2351, 0.2358



28.6719, 0.3209, 0.2580



28.6719, 0.3895, 0.4302



28.6719, 0.2960, 0.4186

Sweetspot

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



28.6729, 0.2351, 0.2358



79.8177, 0.2905, 0.3047



52.2051, 0.2700, 0.3771



16.4752, 0.2869, 0.3006



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.



28.6729, 0.2351, 0.2358



37.0745, 0.2183, 0.2118



20.9303, 0.2380, 0.1901



12.0745, 0.2982, 0.3133



5.8654, 0.1645, 0.1121



0.4745, 0.1749, 0.1496

Inverse Universe

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



27.4194, 0.3921, 0.2877



36.1121, 0.4187, 0.2802



58.3262, 0.3682, 0.4459



11.8746, 0.3237, 0.3210



8.6634, 0.5580, 0.2848



0.4992, 0.5064, 0.2563

Previews

White Background



This preview shows how the Yxy color 28.6719, 0.2351, 0.2358 looks on a white background.

Color Contrast Check

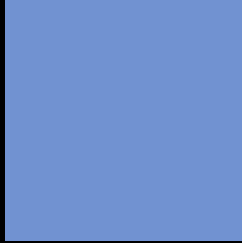
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6719, 0.2351, 0.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

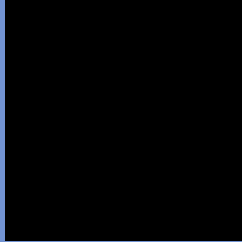
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

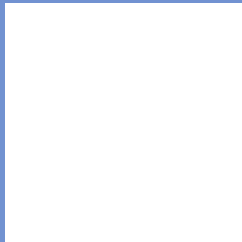
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6719, 0.2351, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 28.6719, 0.2351, 0.2358.



This preview shows how white text looks on a background with the Yxy color 28.6719, 0.2351, 0.2358.

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

28.6719, 0.2351, 0.2358

Protanopia

28.5099, 0.2441, 0.2356

Deuteranopia

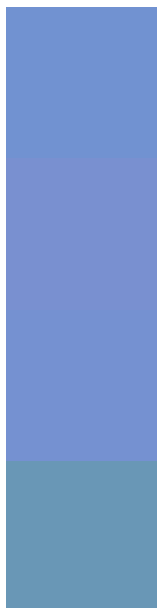
28.5430, 0.2395, 0.2338



Tritanopia

28.6679, 0.2559, 0.3069

Trichromacy



Original Color

28.6719, 0.2351, 0.2358

Protanomaly

28.5655, 0.2408, 0.2352

Deuteranomaly

28.6362, 0.2376, 0.2349

Tritanomaly

28.5139, 0.2477, 0.2788

Monochromacy



Original Color

28.6719, 0.2351, 0.2358

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.6421, 0.2797, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6719, 0.2351, 0.2358 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(113, 146, 209)` looks like.

```
.text, #text, p{  
    color:rgb(113, 146, 209)  
}
```

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(113, 146, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 146, 209) }
```

Border

The CSS property to change the border of an element to Yxy 28.6719, 0.2351, 0.2358 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(113, 146, 209) }
```

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

```
.border{ border-color:rgb(113, 146, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 146, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 146, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 146, 209);  
box-shadow:4px 4px 4px 4px rgb(113, 146,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6719, 0.2351, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 146, 209) }
```

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

```
.background{ background-color: rgb(113,  
146, 209) }
```

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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