

Converting Colors

$Y_{xy}(25.6592, 0.2256, 0.2100)$

Have a look what the booklet for
Yxy(25.6592, 0.2256, 0.2100)
contains.

Yxy(25.6527, 0.2256, 0.2096)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.6527, 0.2256, 0.2096)

Conversions

Conversions Part 1

Format	Color
Hex	6E87D9
RGB	110, 135, 217
RGB Percent	43%, 53%, 85%
CMY	0.5688, 0.4705, 0.1491
CMYK	0.49, 0.38, 0.00, 0.15
HSL	226°, 58%, 64%
HSV	226°, 49%, 85%
XYZ	27.6109, 25.6527, 69.1252
YIQ	136.8730, -41.2220, 20.2020

Conversions

Conversions Part 2

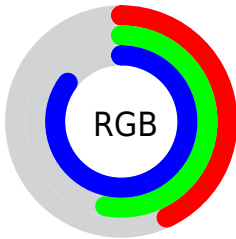
Format	Color
RYB	110, 130, 217
Decimal	7243737
CIELab	57.71, 13.45, -44.81
CIELCh	58, 46.787, 286.702
Yxy	25.6527, 0.2256, 0.2096
Android (android.graphics.Color)	4285433817 (0xFF6E87D9)
YUV	136.8730, 39.5026, -23.5676
Hunter-Lab	50.6485, 8.6740, -45.4652

Details

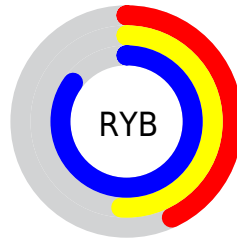
The Yxy color **25.6527, 0.2256, 0.2096** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **53.5299, 0.3982, 0.4242**, and the grayscale version is **24.8228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4019, 0.2533, 0.2505**, and **9.9680, 0.1978, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **20.1479, 0.2071, 0.1806**, and if you desaturate by 10%, it is **32.2235, 0.2447, 0.2379**.

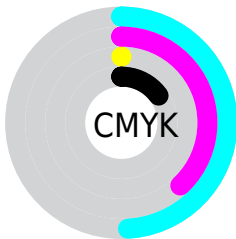
Distribution



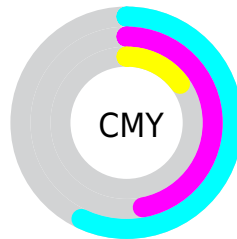
- Red (43%)
- Green (53%)
- Blue (85%)



- Red (43%)
- Yellow (51%)
- Blue (85%)



- Cyan (49%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)



- Cyan (57%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6527, 0.2256, 0.2096 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 25.6527, 0.2256, 0.2096 by changing the saturation by 10% instead.

■ 25.6527, 0.2256,
0.2096

■ 25.6527, 0.2256,
0.2096

■ 281.0730, 0.2719,
0.2703

■ 16.5640, 0.2136,
0.1947

■ 52.7141, 0.2428,
0.2316

■ 9.9241, 0.1981,
0.1759

■ 71.4557, 0.2492,
0.2399

■ 5.3487, 0.1775,
0.1519

■ 94.1836, 0.2545,
0.2469

■ 2.4533, 0.1495,
0.1206

■ 121.2823, 0.2591,
0.2529

■ 0.8531, 0.1110,
0.0806

■ 153.1362, 0.2629,
0.2581

■ 0.0000, 0.0195,
0.0000

■ 190.1297, 0.2663,

■ 0.0000, 0.0000,

0.2627

0.0000

232.6472, 0.2693,
0.2667

■ 25.6527, 0.2256,
0.2096

■ 25.6527, 0.2256,
0.2096

■ 20.1479, 0.2071,
0.1806

■ 32.2235, 0.2447,
0.2379

■ 15.6476, 0.1900,
0.1522

■ 39.9116, 0.2635,
0.2645

■ 12.0878, 0.1756,
0.1259

■ 48.7683, 0.2815,
0.2888

■ 9.3949, 0.1646,
0.1032

■ 58.8404, 0.2983,
0.3108

■ 7.4691, 0.1572,
0.0853

■ 70.1727, 0.3137,
0.3302

■ 7.3612, 0.1567,
0.0842

■ 82.8070, 0.3277,
0.3473

■ 95.4651, 0.3357,
0.3627

■ 97.7885, 0.3352,
0.3661

Harmonies

Analogous

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



25.6527, 0.1869, 0.2181



25.6527, 0.2256, 0.2096



25.6527, 0.2912, 0.2258

Triad

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



25.6527, 0.2256, 0.2096



25.6527, 0.4706, 0.3710



25.6527, 0.2457, 0.4111

Complementary

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



25.6527, 0.2256, 0.2096



53.5299, 0.3982, 0.4242

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.



25.6527, 0.3174, 0.4692



25.6527, 0.2256, 0.2096



25.6527, 0.4492, 0.4277

Square

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



25.6527, 0.2256, 0.2096



25.6527, 0.4426, 0.3134



25.6527, 0.3919, 0.4694



25.6527, 0.1959, 0.3252

Rectangle

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



25.6527, 0.2256, 0.2096



25.6527, 0.3453, 0.2483



25.6527, 0.3919, 0.4694



25.6527, 0.2680, 0.4360

Sweetspot

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



25.6536, 0.2256, 0.2096



76.1687, 0.2887, 0.2983



56.6524, 0.2619, 0.3659



15.6574, 0.2851, 0.2936



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.



25.6536, 0.2256, 0.2096



28.8921, 0.2067, 0.1800



21.4425, 0.2402, 0.1816



13.1098, 0.2981, 0.3106



4.5924, 0.1574, 0.0864



0.4302, 0.1660, 0.1174

Inverse Universe

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



27.6384, 0.4171, 0.2990



33.1591, 0.4527, 0.2946



61.7135, 0.3631, 0.4582



13.1013, 0.3255, 0.3235



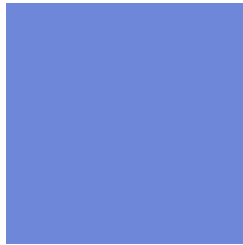
9.0874, 0.5968, 0.3061



0.6021, 0.5503, 0.2805

Previews

White Background



This preview shows how the Yxy color 25.6527, 0.2256, 0.2096 looks on a white background.

Color Contrast Check

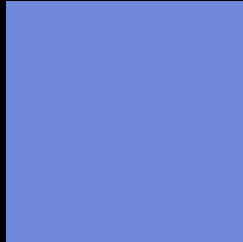
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6527, 0.2256, 0.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

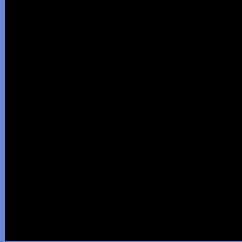
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6527, 0.2256, 0.2096

Background



This preview shows how black text looks on a background with the Yxy color 25.6527, 0.2256, 0.2096.



This preview shows how white text looks on a background with the Yxy color 25.6527, 0.2256, 0.2096.

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

25.6527, 0.2256, 0.2096

Protanopia

25.8062, 0.2246, 0.2107

Deuteranopia

25.6762, 0.2190, 0.2129



Tritanopia

25.6460, 0.2531, 0.3075

Trichromacy



Original Color

25.6527, 0.2256, 0.2096

Protanomaly

25.8693, 0.2252, 0.2109

Deuteranomaly

25.6740, 0.2216, 0.2122

Tritanomaly

25.5929, 0.2425, 0.2674

Monochromacy



Original Color

25.6527, 0.2256, 0.2096

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8735, 0.2749, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6527, 0.2256, 0.2096 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(110, 135, 217)` looks like.

```
.text, #text, p{  
    color:rgb(110, 135, 217)  
}
```

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(110, 135, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 135, 217) }
```

Border

The CSS property to change the border of an element to Yxy 25.6527, 0.2256, 0.2096 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(110, 135, 217) }
```

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

```
.border{ border-color:rgb(110, 135, 217) }
```

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

Here you see how a box with a 4 pixel rgb(110, 135, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 135, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 135, 217);  
box-shadow:4px 4px 4px 4px rgb(110, 135,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6527, 0.2256, 0.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 135, 217) }
```

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

```
.background{ background-color: rgb(110,  
135, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor