

Converting Colors

$Y_{xy}(22.8463, 0.2558, 0.2266)$

Have a look what the booklet for
Yxy(22.8463, 0.2558, 0.2266)
contains.

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Color

Yxy(22.9227, 0.2554, 0.2267)

Conversions

Conversions Part 1

Format	Color
Hex	827CBF
RGB	130, 124, 191
RGB Percent	51%, 49%, 75%
CMY	0.4900, 0.5138, 0.2509
CMYK	0.32, 0.35, 0.00, 0.25
HSL	245°, 34%, 62%
HSV	245°, 35%, 75%
XYZ	25.8247, 22.9227, 52.3673
YIQ	133.4320, -17.9310, 22.1090

Conversions

Conversions Part 2

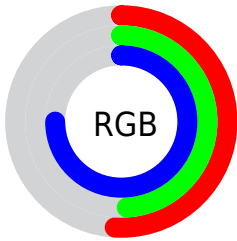
Format	Color
R_{YB}	130, 124, 191
Decimal	8551615
CIE _{Lab}	54.99, 17.84, -34.30
CIE _{LCh}	55, 38.660, 297.483
Yxy	22.9227, 0.2554, 0.2267
Android (android.graphics.Color)	4286741695 (0xFF827CBF)
YUV	133.4320, 28.3810, -3.0099
Hunter-Lab	47.8777, 12.4951, -31.3355

Details

The Yxy color $22.9227, 0.2554, 0.2267$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $49.0366, 0.3594, 0.4169$, and the grayscale version is $23.5231, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5359, 0.2679, 0.2469$, and $8.4580, 0.2344, 0.1949$ is the 20% darker color. If you saturate the color by 10%, you get $17.3308, 0.2355, 0.1924$, and if you desaturate by 10%, it is $29.6758, 0.2740, 0.2594$.

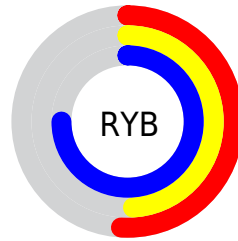
Distribution



Red (51%)

Green (49%)

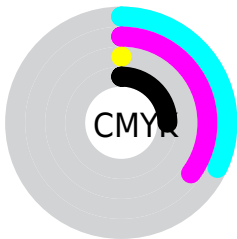
Blue (75%)



Red (51%)

Yellow (49%)

Blue (75%)

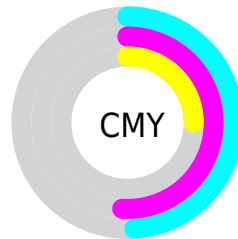


Cyan (32%)

Magenta (35%)

Yellow (0%)

Black (25%)



Cyan (49%)

Magenta (51%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9227, 0.2554, 0.2267 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 22.9227, 0.2554, 0.2267 by changing the saturation by 10% instead.

■ 22.9227, 0.2554,
0.2267

■ 22.9227, 0.2554,
0.2267

267.3277, 0.2873,
0.2801

■ 14.5364, 0.2464,
0.2129

■ 48.2664, 0.2678,
0.2465

■ 8.4947, 0.2343,
0.1951

■ 65.9926, 0.2722,
0.2538

■ 4.4131, 0.2173,
0.1714

■ 87.6009, 0.2758,
0.2600

■ 1.9072, 0.1922,
0.1388

113.4757, 0.2789,
0.2652

■ 0.5527, 0.1538,
0.0879

144.0014, 0.2814,
0.2697

■ 0.0000, 0.0000,
0.0000

179.5623, 0.2837,

0.2736

220.5430, 0.2856,
0.2771

■ 22.9227, 0.2554,
0.2267

■ 22.9227, 0.2554,
0.2267

■ 17.3308, 0.2355,
0.1924

■ 29.6758, 0.2740,
0.2594

■ 12.8319, 0.2152,
0.1581

■ 37.6476, 0.2909,
0.2895

■ 9.3551, 0.1957,
0.1260

■ 46.8951, 0.3058,
0.3165

■ 6.8197, 0.1785,
0.0986

■ 57.4710, 0.3189,
0.3403

■ 5.1331, 0.1650,
0.0781

■ 69.4248, 0.3301,
0.3611

■ 4.1830, 0.1559,
0.0657

■ 82.8037, 0.3397,
0.3792

■ 3.8844, 0.1529,
0.0616

■ 95.9168, 0.3485,
0.3924

■ 96.5427, 0.3508,
0.3919

Harmonies

Analogous

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



22.9227, 0.2118, 0.2266



22.9227, 0.2554, 0.2267



22.9227, 0.3195, 0.2481

Triad

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



22.9227, 0.2554, 0.2267



22.9227, 0.4474, 0.3865



22.9227, 0.2368, 0.3734

Complementary

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



22.9227, 0.2554, 0.2267



49.0366, 0.3594, 0.4169

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.



22.9227, 0.2946, 0.4346



22.9227, 0.2554, 0.2267



22.9227, 0.4173, 0.4319

Square

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



22.9227, 0.2554, 0.2267



22.9227, 0.4378, 0.3349



22.9227, 0.3608, 0.4546



22.9227, 0.2014, 0.3027

Rectangle

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



22.9227, 0.2554, 0.2267



22.9227, 0.3666, 0.2721



22.9227, 0.3608, 0.4546



22.9227, 0.2541, 0.3967

Sweetspot

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



22.9236, 0.2554, 0.2267



73.6226, 0.2970, 0.3004



42.9279, 0.2627, 0.3208



15.6804, 0.2949, 0.2966



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



22.9236, 0.2554, 0.2267



33.2798, 0.2404, 0.2008



25.9702, 0.2876, 0.2353



9.2655, 0.2997, 0.3054



2.5678, 0.1534, 0.0619



0.1147, 0.1659, 0.0688

Inverse Universe

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



28.9920, 0.3230, 0.2501



45.7925, 0.3256, 0.2337



45.3945, 0.3304, 0.4260



9.6810, 0.3151, 0.3084



9.2868, 0.3448, 0.1673



0.3682, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 22.9227, 0.2554, 0.2267 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 22.9227, 0.2554, 0.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

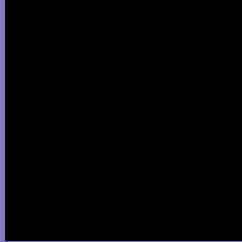
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9227, 0.2554, 0.2267

Background



This preview shows how black text looks on a background with the Yxy color 22.9227, 0.2554, 0.2267.



This preview shows how white text looks on a background with the Yxy color 22.9227, 0.2554, 0.2267.

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

22.9227, 0.2554, 0.2267

Protanopia

22.8919, 0.2361, 0.2251

Deuteranopia

22.9342, 0.2396, 0.2330



Tritanopia

22.7817, 0.2875, 0.3095

Trichromacy



Original Color

22.9227, 0.2554, 0.2267

Protanomaly

22.8557, 0.2426, 0.2248

Deuteranomaly

22.9380, 0.2456, 0.2314

Tritanomaly

22.8236, 0.2756, 0.2767

Monochromacy



Original Color

22.9227, 0.2554, 0.2267

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2039, 0.2903, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9227, 0.2554, 0.2267 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(130, 124, 191)` looks like.

```
.text, #text, p{  
    color:rgb(130, 124, 191)  
}
```

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(130, 124, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 124, 191) }
```

Border

The CSS property to change the border of an element to Yxy 22.9227, 0.2554, 0.2267 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(130, 124, 191) }
```

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

```
.border{ border-color:rgb(130, 124, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 124, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 124, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 124, 191);  
box-shadow:4px 4px 4px 4px rgb(130, 124,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9227, 0.2554, 0.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 124, 191) }
```

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

```
.background{ background-color: rgb(130,  
124, 191) }
```

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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