

Converting Colors

$Yxy(20.6757, 0.2085, 0.2297)$

Have a look what the booklet for
Yxy(20.6757, 0.2085, 0.2297)
contains.

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Color

Yxy(20.6757, 0.2085, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	3783BC
RGB	55, 131, 188
RGB Percent	22%, 51%, 74%
CMY	0.7843, 0.4863, 0.2628
CMYK	0.71, 0.30, 0.00, 0.26
HSL	206°, 55%, 48%
HSV	206°, 71%, 74%
XYZ	18.7675, 20.6757, 50.5686
YIQ	114.7740, -63.5930, 1.6150

Conversions

Conversions Part 2

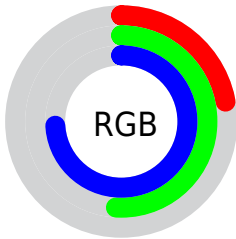
Format	Color
R_{YB}	55, 103, 188
Decimal	3638204
CIE _{Lab}	52.59, -4.50, -36.62
CIE _{LCh}	53, 36.895, 262.991
Yxy	20.6757, 0.2085, 0.2297
Android (android.graphics.Color)	4281828284 (0xFF3783BC)
YUV	114.7740, 36.1004, -52.4218
Hunter-Lab	45.4705, -5.8996, -34.1081




Details

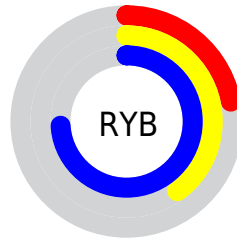
The Yxy color **20.6757, 0.2085, 0.2297** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.5507, 0.4834, 0.4005**, and the grayscale version is **16.9767, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.6555, 0.2295, 0.2502**, and **7.7558, 0.1890, 0.2002** is the 20% darker color. If you saturate the color by 10%, you get **18.1624, 0.1981, 0.2131**, and if you desaturate by 10%, it is **23.5608, 0.2208, 0.2462**.

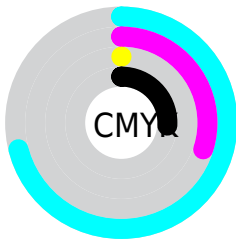
Distribution







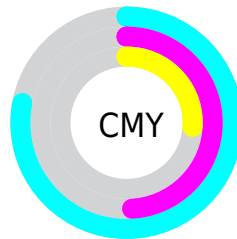
-  Red (22%)
-  Green (51%)
-  Blue (74%)






-  Red (22%)
-  Yellow (40%)
-  Blue (74%)



-  Cyan (71%)
-  Magenta (30%)
-  Yellow (0%)
-  Black (26%)



-  Cyan (78%)
-  Magenta (49%)
-  Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6757, 0.2085, 0.2297 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 20.6757, 0.2085, 0.2297 by changing the saturation by 10% instead.

■ 20.6757, 0.2085,
0.2297

■ 20.6757, 0.2085,
0.2297

■ 255.5500, 0.2648,
0.2841

■ 12.8872, 0.1935,
0.2148

■ 44.5472, 0.2298,
0.2505

■ 7.3509, 0.1739,
0.1952

■ 61.3989, 0.2375,
0.2580

■ 3.6825, 0.1475,
0.1686

■ 82.0405, 0.2440,
0.2643

■ 1.4976, 0.1116,
0.1313

■ 106.8563, 0.2495,
0.2695

■ 0.2870, 0.0335,
0.0591

■ 136.2308, 0.2541,
0.2740

■ 0.0000, 0.0000,
0.0000

170.5483, 0.2582,

0.2778

210.1932, 0.2617,
0.2812

■ 20.6757, 0.2085,
0.2297

■ 20.6757, 0.2085,
0.2297

■ 18.1624, 0.1981,
0.2131

■ 23.5608, 0.2208,
0.2462

■ 15.9906, 0.1899,
0.1968

■ 26.8398, 0.2346,
0.2623

■ 14.2362, 0.1839,
0.1821

■ 30.5350, 0.2494,
0.2776

■ 34.6660, 0.2649,
0.2920

■ 39.2511, 0.2806,
0.3053

■ 44.3072, 0.2963,
0.3174

■ 49.8501, 0.3116,
0.3282

■ 55.8950, 0.3264,
0.3380

■ 62.4563, 0.3405,
0.3466

Harmonies

Analogous

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



20.6757, 0.1941, 0.2581



20.6757, 0.2085, 0.2297



20.6757, 0.2481, 0.2263

Triad

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



20.6757, 0.2085, 0.2297



20.6757, 0.4312, 0.3274



20.6757, 0.3046, 0.4392

Complementary

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



20.6757, 0.2085, 0.2297



22.5507, 0.4834, 0.4005

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.



20.6757, 0.3698, 0.4520



20.6757, 0.2085, 0.2297



20.6757, 0.4470, 0.3785

Square

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



20.6757, 0.2085, 0.2297



20.6757, 0.3782, 0.2803



20.6757, 0.4227, 0.4250



20.6757, 0.2451, 0.3834

Rectangle

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



20.6757, 0.2085, 0.2297



20.6757, 0.2870, 0.2363



20.6757, 0.4227, 0.4250



20.6757, 0.3266, 0.4487

Sweetspot

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



20.6764, 0.2085, 0.2297



70.6230, 0.2797, 0.3045



37.9065, 0.2754, 0.4662



14.6790, 0.2753, 0.3009



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.6764, 0.2085, 0.2297



30.6245, 0.1932, 0.2038



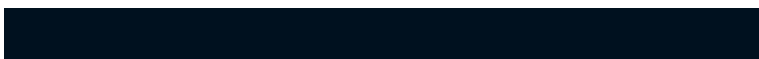
8.3495, 0.1814, 0.1202



10.1060, 0.2984, 0.3189



9.8445, 0.1845, 0.1841



0.5130, 0.1951, 0.2223

Inverse Universe

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



15.0612, 0.4077, 0.2344



23.0704, 0.4390, 0.2291



42.3707, 0.4156, 0.4743



9.6253, 0.3201, 0.3160



8.0235, 0.4637, 0.2328



0.3271, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 20.6757, 0.2085, 0.2297 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 20.6757, 0.2085, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

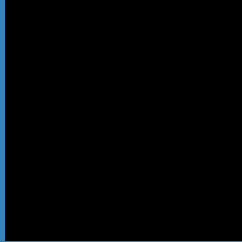
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6757, 0.2085, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 20.6757, 0.2085, 0.2297.

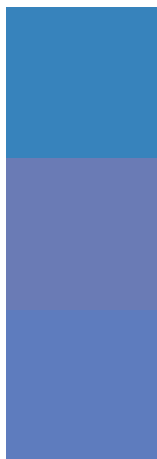


This preview shows how white text looks on a background with the Yxy color 20.6757, 0.2085, 0.2297.

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

20.6757, 0.2085, 0.2297

Protanopia

20.5663, 0.2415, 0.2324

Deuteranopia

20.5127, 0.2266, 0.2201



Tritanopia

20.5611, 0.2213, 0.3044

Trichromacy



Original Color

20.6757, 0.2085, 0.2297

Protanomaly

20.4086, 0.2260, 0.2301

Deuteranomaly

20.5583, 0.2190, 0.2242

Tritanomaly

20.3656, 0.2152, 0.2729

Monochromacy



Original Color

20.6757, 0.2085, 0.2297

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.9549, 0.2602, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6757, 0.2085, 0.2297 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(55, 131, 188)` looks like.

```
.text, #text, p{  
    color:rgb(55, 131, 188)  
}
```

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(55, 131, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 131, 188) }
```

Border

The CSS property to change the border of an element to Yxy 20.6757, 0.2085, 0.2297 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(55, 131, 188) }
```

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

```
.border{ border-color:rgb(55, 131, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 131, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 131, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 131, 188); box-shadow:4px 4px 4px 4px rgb(55, 131, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6757, 0.2085, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 131, 188) }
```

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

```
.background{ background-color: rgb(55, 131,  
188) }
```

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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