

Converting Colors

$Yxy(22.6391, 0.2042, 0.2531)$

Have a look what the booklet for
Yxy(22.6391, 0.2042, 0.2531)
contains.

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Color

Yxy(22.5492, 0.2038, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	068DB8
RGB	6, 141, 184
RGB Percent	2%, 55%, 72%
CMY	0.9777, 0.4470, 0.2783
CMYK	0.97, 0.23, 0.00, 0.28
HSL	194°, 94%, 37%
HSV	194°, 97%, 72%
XYZ	18.2507, 22.5492, 48.7521
YIQ	105.5370, -94.2630, -15.2470

Conversions

Conversions Part 2

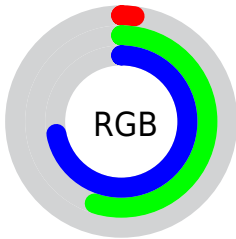
Format	Color
RYB	6, 83, 184
Decimal	429496
CIELab	54.60, -15.87, -31.27
CIELCh	55, 35.071, 243.090
Yxy	22.5492, 0.2038, 0.2518
Android (android.graphics.Color)	4278619576 (0xFF068DB8)
YUV	105.5370, 38.6823, -87.2939
Hunter-Lab	47.4860, -14.4961, -27.6307

Details

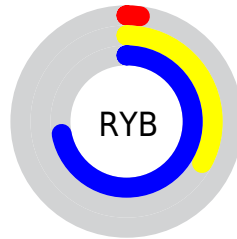
The Yxy color **22.5492, 0.2038, 0.2518** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.3789, 0.6017, 0.3565**, and the grayscale version is **14.1674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8083, 0.2258, 0.2694**, and **9.1209, 0.1970, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **22.1107, 0.2025, 0.2491**, and if you desaturate by 10%, it is **24.0443, 0.2084, 0.2606**.

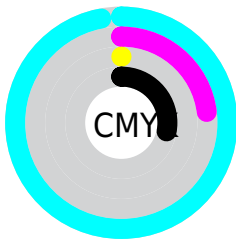
Distribution



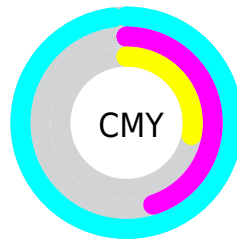
- Red (2%)
- Green (55%)
- Blue (72%)



- Red (2%)
- Yellow (33%)
- Blue (72%)



- Cyan (97%)
- Magenta (23%)
- Yellow (0%)
- Black (28%)



- Cyan (98%)
- Magenta (45%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5492, 0.2038, 0.2518 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 22.5492, 0.2038, 0.2518 by changing the saturation by 10% instead.

■ 22.5492, 0.2038,
0.2518

■ 22.5492, 0.2038,
0.2518

■ 265.4011, 0.2617,
0.2952

■ 14.2610, 0.1886,
0.2395

■ 47.6520, 0.2255,
0.2687

■ 8.3024, 0.1689,
0.2229

■ 65.2355, 0.2335,
0.2747

■ 4.2891, 0.1426,
0.1995

■ 86.6861, 0.2401,
0.2797

■ 1.8365, 0.1070,
0.1654

■ 112.3883, 0.2458,
0.2838

■ 0.5098, 0.0208,
0.1093

■ 142.7265, 0.2506,
0.2873

■ 0.0000, 0.0000,
0.0000

■ 178.0851, 0.2548,

0.2903

218.8485, 0.2585,
0.2929

■ 22.5492, 0.2038,
0.2518

■ 22.5492, 0.2038,
0.2518

■ 22.1107, 0.2025,
0.2491

■ 24.0443, 0.2084,
0.2606

■ 25.7405, 0.2148,
0.2695

■ 27.6691, 0.2232,
0.2784

■ 29.8521, 0.2334,
0.2872

■ 32.3086, 0.2452,
0.2956

■ 35.0556, 0.2583,
0.3037

■ 38.1084, 0.2723,
0.3113

■ 41.4812, 0.2871,
0.3184

■ 45.1871, 0.3022,
0.3249

Harmonies

Analogous

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



22.5492, 0.2068, 0.2951



22.5492, 0.2038, 0.2518



22.5492, 0.2255, 0.2329

Triad

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



22.5492, 0.2038, 0.2518



22.5492, 0.3926, 0.2979



22.5492, 0.3465, 0.4430

Complementary

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



22.5492, 0.2038, 0.2518



12.3789, 0.6017, 0.3565

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.



22.5492, 0.4010, 0.4298



22.5492, 0.2038, 0.2518



22.5492, 0.4314, 0.3443

Square

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



22.5492, 0.2038, 0.2518



22.5492, 0.3313, 0.2599



22.5492, 0.4335, 0.3916



22.5492, 0.2858, 0.4162

Rectangle

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



22.5492, 0.2038, 0.2518



22.5492, 0.2530, 0.2331



22.5492, 0.4335, 0.3916



22.5492, 0.3661, 0.4425

Sweetspot

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



22.5500, 0.2038, 0.2518



67.5787, 0.2686, 0.3094



34.5365, 0.2921, 0.5687



14.0618, 0.2626, 0.3062



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



22.5500, 0.2038, 0.2518



39.6782, 0.2021, 0.2476



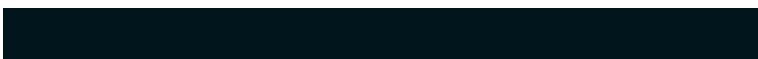
6.0675, 0.1612, 0.0977



9.8336, 0.2985, 0.3234



15.3479, 0.2028, 0.2502



0.6309, 0.2091, 0.2728

Inverse Universe

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



12.2405, 0.3902, 0.1938



21.8450, 0.3946, 0.1947



27.9474, 0.4727, 0.4607



9.1247, 0.3173, 0.3118



8.3317, 0.3921, 0.1933



0.3028, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 22.5492, 0.2038, 0.2518 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 22.5492, 0.2038, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

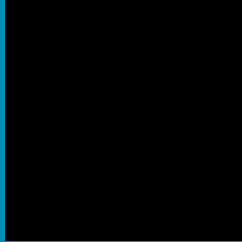
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5492, 0.2038, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 22.5492, 0.2038, 0.2518.

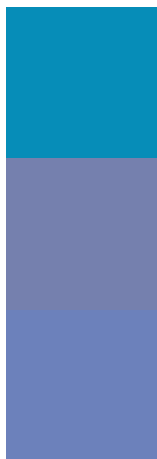


This preview shows how white text looks on a background with the Yxy color 22.5492, 0.2038, 0.2518.

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

22.5492, 0.2038, 0.2518

Protanopia

22.2762, 0.2576, 0.2528

Deuteranopia

22.4765, 0.2406, 0.2351



Tritanopia

22.6511, 0.2187, 0.3071

Trichromacy



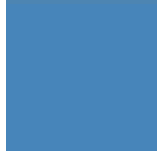
Original Color

22.5492, 0.2038, 0.2518



Protanomaly

21.5672, 0.2258, 0.2499



Deuteranomaly

21.6598, 0.2179, 0.2378



Tritanomaly

22.7126, 0.2132, 0.2869

Monochromacy



Original Color

22.5492, 0.2038, 0.2518



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

15.9433, 0.2446, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5492, 0.2038, 0.2518 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(6, 141, 184)` looks like.

```
.text, #text, p{  
    color:rgb(6, 141, 184)  
}
```

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(6, 141, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 141, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.5492, 0.2038, 0.2518 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(6, 141, 184) }
```

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

```
.border{ border-color:rgb(6, 141, 184) }
```

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

Here you see how a box with a 4 pixel rgb(6, 141, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 141, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 141, 184);  
box-shadow:4px 4px 4px 4px rgb(6, 141,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5492, 0.2038, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 141, 184) }
```

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

```
.background{ background-color: rgb(6, 141,  
184) }
```

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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