

Converting Colors

$Y_{xy}(25.7373, 0.1464, 0.2479)$

Have a look what the booklet for
Yxy(25.7373, 0.1464, 0.2479)
contains.

Yxy(30.3457, 0.2047, 0.2569)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3457, 0.2047, 0.2569)

Conversions

Conversions Part 1

Format	Color
Hex	00A2CF
RGB	0, 162, 207
RGB Percent	0%, 64%, 81%
CMY	1.0000, 0.3647, 0.1883
CMYK	1.00, 0.22, 0.00, 0.19
HSL	193°, 100%, 41%
HSV	193°, 100%, 81%
XYZ	24.1797, 30.3457, 63.5972
YIQ	118.6920, -110.9970, -20.3490

Conversions

Conversions Part 2

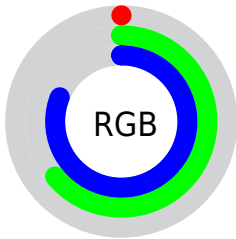
Format	Color
RYB	0, 91, 207
Decimal	41679
CIELab	61.95, -19.18, -32.78
CIELCh	62, 37.982, 239.669
Yxy	30.3457, 0.2047, 0.2569
Android (android.graphics.Color)	4278231759 (0xFF00A2CF)
YUV	118.6920, 43.5358, -104.0929
Hunter-Lab	55.0869, -18.0519, -29.8888

Details

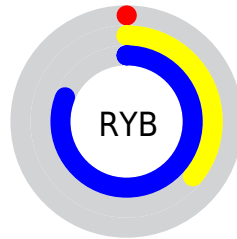
The Yxy color **30.3457, 0.2047, 0.2569** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.1360, 0.6155, 0.3494**, and the grayscale version is **18.2323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6124, 0.2281, 0.2820**, and **13.4189, 0.1995, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **30.3468, 0.2047, 0.2569**, and if you desaturate by 10%, it is **32.1158, 0.2085, 0.2648**.

Distribution



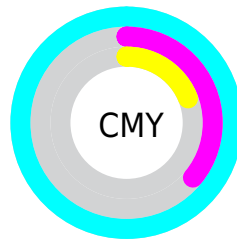
- Red (0%)
- Green (64%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)




- Cyan (100%)
- Magenta (36%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3457, 0.2047, 0.2569 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 30.3457, 0.2047, 0.2569 by changing the saturation by 10% instead.


 30.3457, 0.2047,
0.2569

 30.3457, 0.2047,
0.2569


 303.5125, 0.2595,
0.2959


 20.1011, 0.1911,
0.2464


 60.2085, 0.2246,
0.2717


 12.4686, 0.1740,
0.2326


 80.5954, 0.2321,
0.2771


 7.0636, 0.1518,
0.2139


 105.1320, 0.2384,
0.2816

 3.5019, 0.1225,
0.1874

 134.2026, 0.2439,
0.2853

 1.3991, 0.0838,
0.1486

 168.1915, 0.2486,
0.2886

 0.2160, 0.0000,
0.0578

207.4832, 0.2527,

 0.0000, 0.0000,

0.2914

0.0000

252.4621, 0.2563,
0.2938

■ 30.3457, 0.2047,
0.2569

■ 30.3457, 0.2047,
0.2569

■ 30.3468, 0.2047,
0.2569

■ 32.1158, 0.2085,
0.2648

■ 34.1092, 0.2139,
0.2728

■ 36.3846, 0.2213,
0.2808

■ 38.9732, 0.2306,
0.2887

■ 41.9013, 0.2416,
0.2964

■ 45.1923, 0.2541,
0.3039

■ 48.8670, 0.2678,
0.3109

■ 52.9447, 0.2823,
0.3174

■ 57.4430, 0.2974,
0.3235

Harmonies

Analogous

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



30.3457, 0.2106, 0.3021



30.3457, 0.2047, 0.2569



30.3457, 0.2234, 0.2355

Triad

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



30.3457, 0.2047, 0.2569



30.3457, 0.3849, 0.2937



30.3457, 0.3527, 0.4411

Complementary

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



30.3457, 0.2047, 0.2569



15.1360, 0.6155, 0.3494

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.



30.3457, 0.4045, 0.4247



30.3457, 0.2047, 0.2569



30.3457, 0.4265, 0.3388

Square

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



30.3457, 0.2047, 0.2569



30.3457, 0.3238, 0.2576



30.3457, 0.4329, 0.3856



30.3457, 0.2929, 0.4194

Rectangle

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



30.3457, 0.2047, 0.2569



30.3457, 0.2488, 0.2340



30.3457, 0.4329, 0.3856



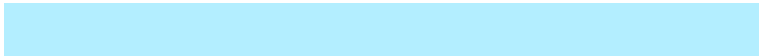
30.3457, 0.3717, 0.4393

Sweetspot

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



30.3468, 0.2047, 0.2569



78.1146, 0.2673, 0.3106



44.8014, 0.2939, 0.5781



16.1672, 0.2613, 0.3077



0.0000, 0.0000, 0.0000



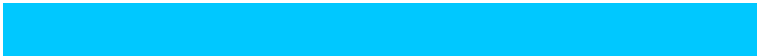
21.4041, 0.3127, 0.3290

Same Dimension

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



30.3468, 0.2047, 0.2569



48.3428, 0.2044, 0.2560



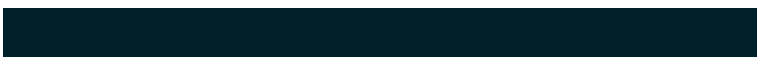
7.5951, 0.1597, 0.0947



12.9530, 0.2983, 0.3238



19.2691, 0.2050, 0.2580



1.1883, 0.2090, 0.2725

Inverse Universe

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



15.8706, 0.3854, 0.1897



25.4114, 0.3863, 0.1902



34.5456, 0.4806, 0.4566



11.9632, 0.3170, 0.3110



10.0165, 0.3843, 0.1891



0.5713, 0.3705, 0.1814

Previews

White Background



This preview shows how the Yxy color 30.3457, 0.2047, 0.2569 looks on a white background.

Color Contrast Check

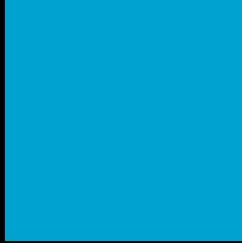
Large Text (above 18pt) WCAG AA × Fail

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 30.3457, 0.2047, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

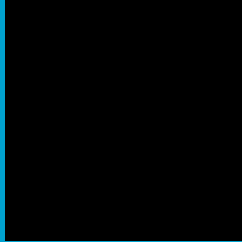
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3457, 0.2047, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 30.3457, 0.2047, 0.2569.

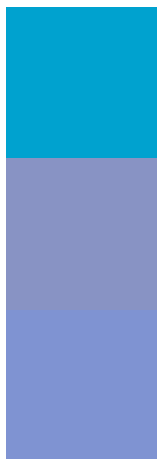


This preview shows how white text looks on a background with the Yxy color 30.3457, 0.2047, 0.2569.

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

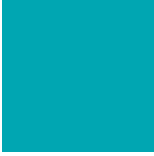
30.3457, 0.2047, 0.2569

Protanopia

30.0872, 0.2610, 0.2570

Deuteranopia

30.0326, 0.2446, 0.2384



Tritanopia

30.4868, 0.2189, 0.3079

Trichromacy



Original Color

30.3457, 0.2047, 0.2569

Protanomaly

28.6528, 0.2263, 0.2534

Deuteranomaly

28.8093, 0.2188, 0.2412

Tritanomaly

30.5844, 0.2134, 0.2883

Monochromacy



Original Color

30.3457, 0.2047, 0.2569

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

21.0988, 0.2435, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3457, 0.2047, 0.2569 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(0, 162, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 207)  
}
```

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(0, 162, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.3457, 0.2047, 0.2569 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(0, 162, 207) }
```

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

```
.border{ border-color:rgb(0, 162, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3457, 0.2047, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 207) }
```

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

```
.background{ background-color: rgb(0, 162,  
207) }
```

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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