

Converting Colors

$Y_{xy}(32.0478, 0.2040, 0.2493)$

Have a look what the booklet for
Yxy(32.0478, 0.2040, 0.2493)
contains.

Yxy(32.0687, 0.2040, 0.2490)	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(32.0687, 0.2040, 0.2490)

Conversions

Conversions Part 1

Format	Color
Hex	14A5D9
RGB	20, 165, 217
RGB Percent	8%, 65%, 85%
CMY	0.9200, 0.3530, 0.1490
CMYK	0.91, 0.24, 0.00, 0.15
HSL	196°, 83%, 47%
HSV	196°, 91%, 85%
XYZ	26.2732, 32.0687, 70.4481
YIQ	127.5730, -103.1120, -14.5680

Conversions

Conversions Part 2

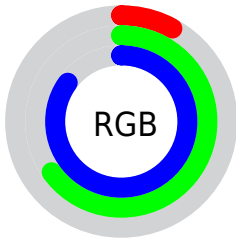
Format	Color
RYB	20, 104, 217
Decimal	1353177
CIELab	63.40, -16.53, -36.09
CIELCh	63, 39.692, 245.386
Yxy	32.0687, 0.2040, 0.2490
Android (android.graphics.Color)	4279543257 (0xFF14A5D9)
YUV	127.5730, 44.0875, -94.3415
Hunter-Lab	56.6292, -16.2860, -34.1177

Details

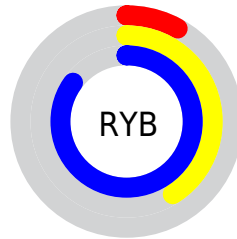
The Yxy color **32.0687, 0.2040, 0.2490** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.4903, 0.5824, 0.3651**, and the grayscale version is **21.3440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5945, 0.2314, 0.2861**, and **14.4189, 0.1968, 0.2283** is the 20% darker color. If you saturate the color by 10%, you get **30.0113, 0.2000, 0.2398**, and if you desaturate by 10%, it is **34.5285, 0.2099, 0.2589**.

Distribution



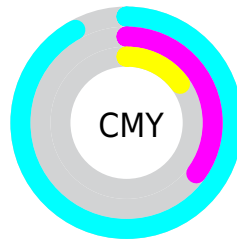
- Red (8%)
- Green (65%)
- Blue (85%)



- Red (8%)
- Yellow (41%)
- Blue (85%)



- Cyan (91%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (92%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0687, 0.2040, 0.2490 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 32.0687, 0.2040, 0.2490 by changing the saturation by 10% instead.

■ 32.0687, 0.2040,
0.2490

■ 32.0687, 0.2040,
0.2490

■ 311.4321, 0.2586,
0.2914

■ 21.4140, 0.1907,
0.2380

■ 62.9188, 0.2237,
0.2648

■ 13.4269, 0.1740,
0.2237

■ 83.8829, 0.2311,
0.2706

■ 7.7232, 0.1526,
0.2046

■ 109.0523, 0.2374,
0.2755

■ 3.9183, 0.1246,
0.1783

■ 138.8114, 0.2429,
0.2797

■ 1.6280, 0.0882,
0.1411

■ 173.5445, 0.2476,
0.2832

■ 0.3764, 0.0000,
0.0760

213.6360, 0.2517,

■ 0.0000, 0.0000,

0.2863

0.0000

259.4704, 0.2553,
0.2890

■ 32.0687, 0.2040,
0.2490

■ 32.0687, 0.2040,
0.2490

■ 30.0113, 0.2000,
0.2398

■ 34.5285, 0.2099,
0.2589

■ 37.3289, 0.2178,
0.2689

■ 40.5071, 0.2277,
0.2788

■ 44.0936, 0.2393,
0.2884

■ 48.1154, 0.2523,
0.2976

■ 52.5965, 0.2663,
0.3063

■ 57.5590, 0.2812,
0.3144

■ 63.0235, 0.2964,
0.3219

■ 69.0090, 0.3118,
0.3286

Harmonies

Analogous

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



32.0687, 0.2051, 0.2907



32.0687, 0.2040, 0.2490



32.0687, 0.2277, 0.2319

Triad

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



32.0687, 0.2040, 0.2490



32.0687, 0.3972, 0.3011



32.0687, 0.3419, 0.4432

Complementary

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



32.0687, 0.2040, 0.2490



19.4903, 0.5824, 0.3651

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.



32.0687, 0.3979, 0.4326



32.0687, 0.2040, 0.2490



32.0687, 0.4337, 0.3480

Square

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



32.0687, 0.2040, 0.2490



32.0687, 0.3364, 0.2620



32.0687, 0.4328, 0.3953



32.0687, 0.2811, 0.4131

Rectangle

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



32.0687, 0.2040, 0.2490



32.0687, 0.2564, 0.2332



32.0687, 0.4328, 0.3953



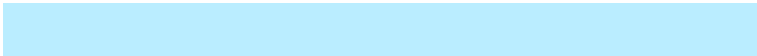
32.0687, 0.3620, 0.4438

Sweetspot

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



32.0698, 0.2040, 0.2490



78.1233, 0.2712, 0.3091



50.2136, 0.2897, 0.5552



16.2117, 0.2662, 0.3062



0.0000, 0.0000, 0.0000



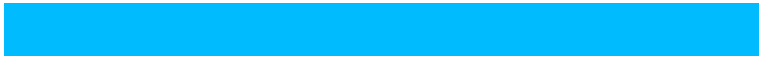
21.4041, 0.3127, 0.3290

Same Dimension

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



32.0698, 0.2040, 0.2490



42.9928, 0.1997, 0.2389



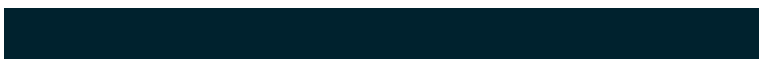
9.4865, 0.1644, 0.1041



14.2163, 0.2982, 0.3227



18.3490, 0.2004, 0.2412



1.3268, 0.2048, 0.2572

Inverse Universe

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



17.9820, 0.3926, 0.1980



24.8713, 0.4034, 0.1996



42.7521, 0.4636, 0.4639



13.2130, 0.3178, 0.3120



10.4761, 0.4011, 0.1983



0.6926, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 32.0687, 0.2040, 0.2490 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 32.0687, 0.2040, 0.2490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

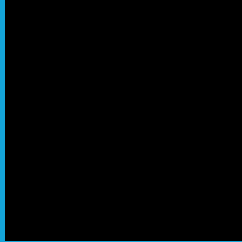
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

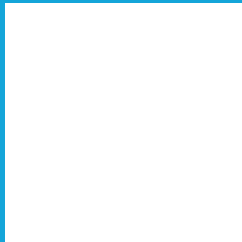
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0687, 0.2040, 0.2490

Background



This preview shows how black text looks on a background with the Yxy color 32.0687, 0.2040, 0.2490.

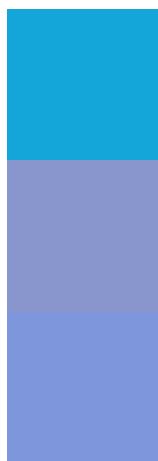


This preview shows how white text looks on a background with the Yxy color 32.0687, 0.2040, 0.2490.

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

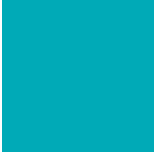
32.0687, 0.2040, 0.2490

Protanopia

31.5873, 0.2554, 0.2492

Deuteranopia

31.7361, 0.2388, 0.2326



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.0687, 0.2040, 0.2490



Protanomaly

30.5287, 0.2264, 0.2462



Deuteranomaly

30.9661, 0.2188, 0.2361



Tritanomaly

31.9906, 0.2129, 0.2844

Monochromacy



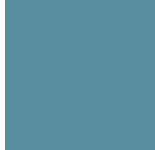
Original Color

32.0687, 0.2040, 0.2490



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.7117, 0.2484, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0687, 0.2040, 0.2490 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(20, 165, 217)` looks like.

```
.text, #text, p{  
    color:rgb(20, 165, 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(20, 165, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 165, 217) }
```

Border

The CSS property to change the border of an element to Yxy 32.0687, 0.2040, 0.2490 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(20, 165, 217) }
```

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

```
.border{ border-color:rgb(20, 165, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 165, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 165, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 165, 217);  
box-shadow:4px 4px 4px 4px rgb(20, 165,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0687, 0.2040, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 165, 217) }
```

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

```
.background{ background-color: rgb(20, 165,  
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](#).

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