

Converting Colors

$Y_{xy}(45.5245, 0.2092, 0.2715)$

Have a look what the booklet for
Yxy(45.5245, 0.2092, 0.2715)
contains.

Yxy(45.6524, 0.2093, 0.2719)	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(45.6524, 0.2093, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	09C4ED
RGB	9, 196, 237
RGB Percent	4%, 77%, 93%
CMY	0.9649, 0.2314, 0.0704
CMYK	0.96, 0.17, 0.00, 0.07
HSL	191°, 93%, 48%
HSV	191°, 96%, 93%
XYZ	35.1418, 45.6524, 87.1073
YIQ	144.7610, -124.6130, -26.8930

Conversions

Conversions Part 2

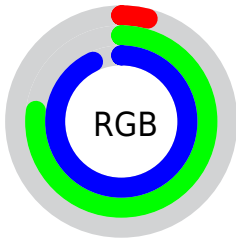
Format	Color
RYB	9, 112, 237
Decimal	640237
CIELab	73.32, -26.13, -31.67
CIELCh	73, 41.056, 230.469
Yxy	45.6524, 0.2093, 0.2719
Android (android.graphics.Color)	4278830317 (0xFF09C4ED)
YUV	144.7610, 45.4738, -119.0624
Hunter-Lab	67.5666, -25.4026, -29.1405

Details

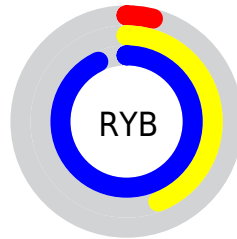
The Yxy color **45.6524, 0.2093, 0.2719** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **20.3111, 0.6153, 0.3459**, and the grayscale version is **28.0595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9153, 0.2415, 0.3265**, and **22.6822, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **44.8731, 0.2082, 0.2695**, and if you desaturate by 10%, it is **47.8654, 0.2130, 0.2784**.

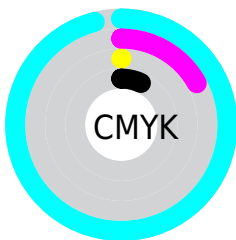
Distribution



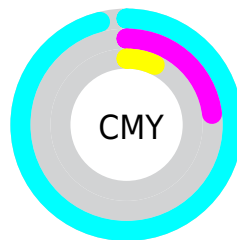
- Red (4%)
- Green (77%)
- Blue (93%)



- Red (4%)
- Yellow (44%)
- Blue (93%)



- Cyan (96%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)




- Cyan (96%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6524, 0.2093, 0.2719 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 45.6524, 0.2093, 0.2719 by changing the saturation by 10% instead.


 45.6524, 0.2093,
0.2719

 45.6524, 0.2093,
0.2719


369.4094, 0.2585,
0.3016


 31.9716, 0.1980,
0.2644


 83.6985, 0.2265,
0.2828


 21.3398, 0.1840,
0.2547


 108.8327, 0.2332,
0.2869

 13.3726, 0.1664,
0.2419


 138.5534, 0.2389,
0.2903

 7.6856, 0.1439,
0.2244

 173.2451, 0.2439,
0.2932

 3.8945, 0.1147,
0.1995

 213.2921, 0.2482,
0.2957

 1.6147, 0.0768,
0.1624

259.0789, 0.2521,

 0.3675, 0.0000,

0.2979

0.0896

310.9899, 0.2555,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 45.6524, 0.2093,
0.2719

■ 45.6524, 0.2093,
0.2719

■ 44.8731, 0.2082,
0.2695

■ 47.8654, 0.2130,
0.2784

■ 50.4056, 0.2185,
0.2849

■ 53.3249, 0.2261,
0.2915

■ 56.6641, 0.2355,
0.2980

■ 60.4579, 0.2467,
0.3043

■ 64.7372, 0.2593,
0.3103

■ 69.5299, 0.2731,
0.3160

■ 74.8615, 0.2878,
0.3213

■ 80.7559, 0.3031,
0.3262

Harmonies

Analogous

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



45.6524, 0.2225, 0.3210



45.6524, 0.2093, 0.2719



45.6524, 0.2201, 0.2442

Triad

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



45.6524, 0.2093, 0.2719



45.6524, 0.3642, 0.2839



45.6524, 0.3675, 0.4333

Complementary

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



45.6524, 0.2093, 0.2719



20.3111, 0.6153, 0.3459

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.



45.6524, 0.4109, 0.4102



45.6524, 0.2093, 0.2719



45.6524, 0.4111, 0.3250

Square

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



45.6524, 0.2093, 0.2719



45.6524, 0.3052, 0.2533



45.6524, 0.4282, 0.3699



45.6524, 0.3116, 0.4241

Rectangle

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



45.6524, 0.2093, 0.2719



45.6524, 0.2399, 0.2383



45.6524, 0.4282, 0.3699



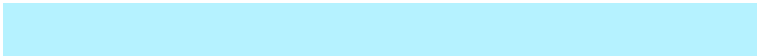
45.6524, 0.3841, 0.4285

Sweetspot

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



45.6540, 0.2093, 0.2719



80.3725, 0.2690, 0.3144



60.8522, 0.2957, 0.5819



16.6847, 0.2631, 0.3119



0.0000, 0.0000, 0.0000



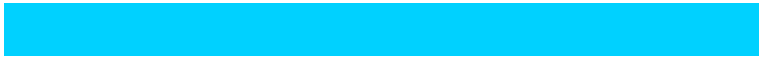
21.4041, 0.3127, 0.3290

Same Dimension

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



45.6540, 0.2093, 0.2719



52.8797, 0.2081, 0.2692



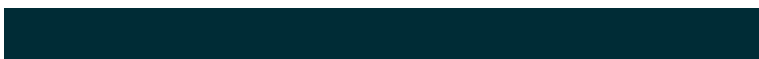
12.6687, 0.1652, 0.1122



16.6340, 0.2981, 0.3247



24.6674, 0.2085, 0.2705



2.0572, 0.2110, 0.2795

Inverse Universe

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



22.1907, 0.3709, 0.1829



25.8694, 0.3736, 0.1832



43.5236, 0.4901, 0.4469



15.2646, 0.3165, 0.3099



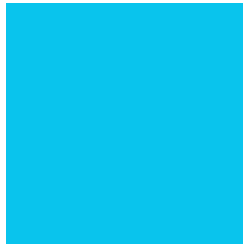
11.9830, 0.3723, 0.1825



0.9531, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 45.6524, 0.2093, 0.2719 looks on a white background.

Color Contrast Check

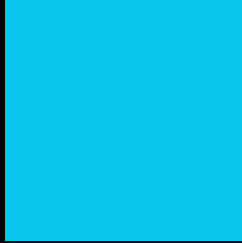
Large Text (above 18pt) WCAG AA × Fail

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 45.6524, 0.2093, 0.2719 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 45.6524, 0.2093, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 45.6524, 0.2093, 0.2719.

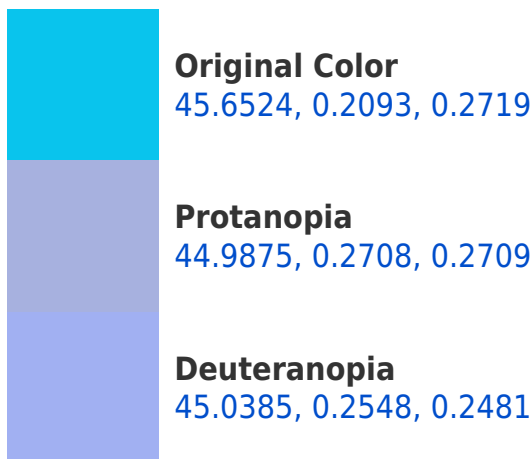


This preview shows how white text looks on a background with the Yxy color 45.6524, 0.2093, 0.2719.

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





Tritanopia

45.7019, 0.2186, 0.3068

Trichromacy



Original Color

45.6524, 0.2093, 0.2719



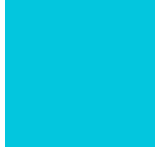
Protanomaly

43.1974, 0.2341, 0.2691



Deuteranomaly

43.2224, 0.2263, 0.2534



Tritanomaly

45.6815, 0.2152, 0.2942

Monochromacy



Original Color

45.6524, 0.2093, 0.2719



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.2521, 0.2481, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6524, 0.2093, 0.2719 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(9, 196, 237)` looks like.

```
.text, #text, p{  
    color:rgb(9, 196, 237)  
}
```

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(9, 196, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 196, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.6524, 0.2093, 0.2719 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(9, 196, 237) }
```

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

```
.border{ border-color:rgb(9, 196, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 196, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 196, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 196, 237);  
box-shadow:4px 4px 4px 4px rgb(9, 196,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6524, 0.2093, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 196, 237) }
```

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

```
.background{ background-color: rgb(9, 196,  
237) }
```

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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