

Converting Colors

$Y_{xy}(45.7808, 0.2156, 0.2689)$

Have a look what the booklet for
Yxy(45.7808, 0.2156, 0.2689)
contains.

Yxy(45.7808, 0.2156, 0.2689)	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(45.7808, 0.2156, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	3EC2EE
RGB	62, 194, 238
RGB Percent	24%, 76%, 93%
CMY	0.7569, 0.2392, 0.0668
CMYK	0.74, 0.18, 0.00, 0.07
HSL	195°, 84%, 59%
HSV	195°, 74%, 93%
XYZ	36.7064, 45.7808, 87.7650
YIQ	159.5480, -92.7960, -14.3000

Conversions

Conversions Part 2

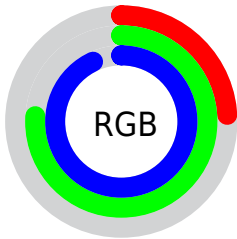
Format	Color
R _Y B	62, 137, 238
Decimal	4113134
CIE Lab	73.40, -21.24, -31.99
CIE LCh	73, 38.399, 236.410
Yxy	45.7808, 0.2156, 0.2689
Android (android.graphics.Color)	4282303214 (0xFF3EC2EE)
YUV	159.5480, 38.6768, -85.5496
Hunter-Lab	67.6615, -21.5714, -29.5431

Details

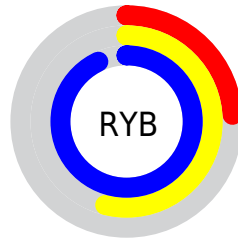
The Yxy color **45.7808, 0.2156, 0.2689** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.8184, 0.5289, 0.3693**, and the grayscale version is **34.7862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1199, 0.2481, 0.3242**, and **22.1336, 0.2036, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **42.5806, 0.2086, 0.2595**, and if you desaturate by 10%, it is **49.4266, 0.2246, 0.2783**.

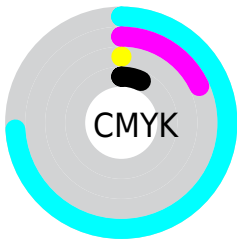
Distribution



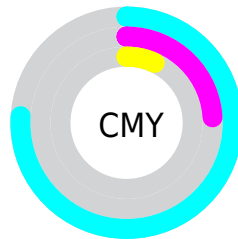
- Red (24%)
- Green (76%)
- Blue (93%)



- Red (24%)
- Yellow (54%)
- Blue (93%)



- Cyan (74%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)





- Cyan (76%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7808, 0.2156, 0.2689 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 45.7808, 0.2156, 0.2689 by changing the saturation by 10% instead.


 45.7808, 0.2156,
0.2689


 45.7808, 0.2156,
0.2689

369.9267, 0.2620,
0.2997

 32.0729, 0.2048,
0.2612


 83.8909, 0.2319,
0.2801

 21.4172, 0.1915,
0.2514


 109.0618, 0.2382,
0.2843

 13.4293, 0.1748,
0.2384


 138.8225, 0.2435,
0.2879

 7.7248, 0.1532,
0.2209

 173.5574, 0.2482,
0.2909

 3.9194, 0.1248,
0.1960

213.6509, 0.2523,
0.2936

 1.6286, 0.0874,
0.1594

259.4873, 0.2559,

 0.3767, 0.0000,

0.2959

0.0899

311.4511, 0.2591,
0.2979

■ 0.0000, 0.0000,
0.0000

■ 45.7808, 0.2156,
0.2689

■ 45.7808, 0.2156,
0.2689

■ 42.5806, 0.2086,
0.2595

■ 49.4266, 0.2246,
0.2783

■ 39.7724, 0.2036,
0.2502

■ 53.5533, 0.2354,
0.2875

■ 38.2195, 0.2013,
0.2446


■ 58.1975, 0.2478,
0.2963

■ 63.3902, 0.2615,
0.3047

■ 69.1598, 0.2760,
0.3126

 75.5324, 0.2912,
0.3199

 82.5322, 0.3066,
0.3266

 90.1821, 0.3220,
0.3326

 94.2653, 0.3233,
0.3383

Harmonies

Analogous

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



45.7808, 0.2237, 0.3115



45.7808, 0.2156, 0.2689



45.7808, 0.2302, 0.2468

Triad

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



45.7808, 0.2156, 0.2689



45.7808, 0.3711, 0.2938



45.7808, 0.3545, 0.4273

Complementary

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



45.7808, 0.2156, 0.2689



28.8184, 0.5289, 0.3693

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.



45.7808, 0.3985, 0.4115



45.7808, 0.2156, 0.2689



45.7808, 0.4103, 0.3340

Square

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



45.7808, 0.2156, 0.2689



45.7808, 0.3168, 0.2624



45.7808, 0.4200, 0.3762



45.7808, 0.3015, 0.4114

Rectangle

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



45.7808, 0.2156, 0.2689



45.7808, 0.2517, 0.2437



45.7808, 0.4200, 0.3762



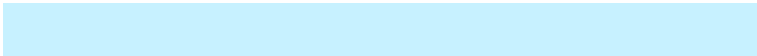
45.7808, 0.3709, 0.4251

Sweetspot

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



45.7824, 0.2156, 0.2689



82.2505, 0.2788, 0.3140



63.1346, 0.2885, 0.5204



17.1894, 0.2748, 0.3120



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.



45.7824, 0.2156, 0.2689



47.9955, 0.2057, 0.2545



18.1160, 0.1843, 0.1459



17.2212, 0.2981, 0.3230



21.5449, 0.2017, 0.2461



1.9485, 0.2051, 0.2583

Inverse Universe

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



25.5119, 0.3715, 0.2029



26.1842, 0.3872, 0.1954



55.7993, 0.4452, 0.4537



15.9600, 0.3176, 0.3115



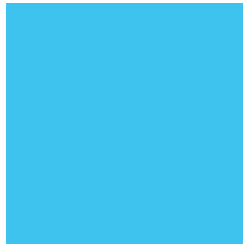
11.9683, 0.3962, 0.1956



1.0114, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 45.7808, 0.2156, 0.2689 looks on a white background.

Color Contrast Check

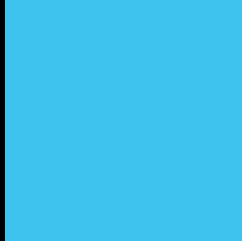
Large Text (above 18pt) WCAG AA × Fail

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 45.7808, 0.2156, 0.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

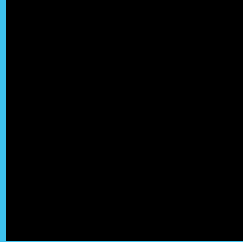
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7808, 0.2156, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 45.7808, 0.2156, 0.2689.



This preview shows how white text looks on a background with the Yxy color 45.7808, 0.2156, 0.2689.

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

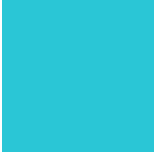
45.7808, 0.2156, 0.2689

Protanopia

45.1508, 0.2689, 0.2675

Deuteranopia

45.0385, 0.2548, 0.2481



Tritanopia

45.7354, 0.2223, 0.3055

Trichromacy



Original Color

45.7808, 0.2156, 0.2689



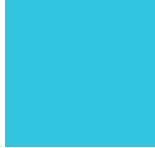
Protanomaly

44.2473, 0.2429, 0.2669



Deuteranomaly

44.5778, 0.2352, 0.2540



Tritanomaly

45.9132, 0.2196, 0.2918

Monochromacy



Original Color

45.7808, 0.2156, 0.2689



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.4210, 0.2620, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7808, 0.2156, 0.2689 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(62, 194, 238)` looks like.

```
.text, #text, p{  
    color:rgb(62, 194, 238)  
}
```

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(62, 194, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 194, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.7808, 0.2156, 0.2689 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(62, 194, 238) }
```

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

```
.border{ border-color:rgb(62, 194, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 194, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 194, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 194, 238);  
box-shadow:4px 4px 4px 4px rgb(62, 194,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7808, 0.2156, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 194, 238) }
```

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

```
.background{ background-color: rgb(62, 194,  
238) }
```

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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