

Converting Colors

$Y_{xy}(25.7512, 0.2125, 0.2665)$

Have a look what the booklet for
Yxy(25.7512, 0.2125, 0.2665)
contains.

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Color

$\text{Yxy}(25.7512, 0.2125, 0.2665)$

Conversions

Conversions Part 1

Format	Color
Hex	2596BA
RGB	37, 150, 186
RGB Percent	15%, 59%, 73%
CMY	0.8547, 0.4118, 0.2706
CMYK	0.80, 0.19, 0.00, 0.27
HSL	195°, 67%, 44%
HSV	195°, 80%, 73%
XYZ	20.5333, 25.7512, 50.3429
YIQ	120.3170, -78.9040, -12.7600

Conversions

Conversions Part 2

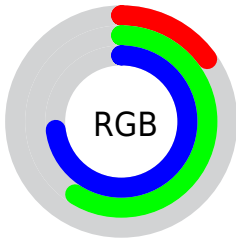
Format	Color
RYP	37, 101, 186
Decimal	2463418
CIELab	57.80, -18.09, -27.41
CIElCh	58, 32.841, 236.579
Yxy	25.7512, 0.2125, 0.2665
Android (android.graphics.Color)	4280653498 (0xFF2596BA)
YUV	120.3170, 32.3817, -73.0690
Hunter-Lab	50.7456, -16.5780, -23.2975

Details

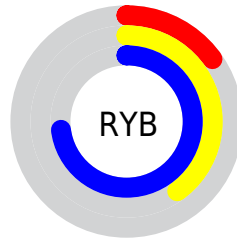
The Yxy color **25.7512, 0.2125, 0.2665** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.3454, 0.5493, 0.3669**, and the grayscale version is **18.8075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7223, 0.2320, 0.2800**, and **10.6171, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **24.0834, 0.2067, 0.2576**, and if you desaturate by 10%, it is **27.6511, 0.2203, 0.2754**.

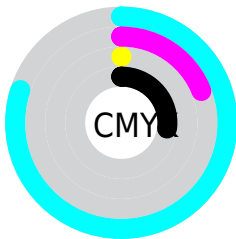
Distribution



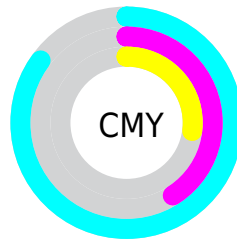
- Red (15%)
- Green (59%)
- Blue (73%)



- Red (15%)
- Yellow (40%)
- Blue (73%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (41%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7512, 0.2125, 0.2665 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 25.7512, 0.2125, 0.2665 by changing the saturation by 10% instead.

■ 25.7512, 0.2125,
0.2665

■ 25.7512, 0.2125,
0.2665

■ 281.5586, 0.2651,
0.3015

■ 16.6376, 0.1988,
0.2566

■ 52.8733, 0.2321,
0.2801

■ 9.9765, 0.1811,
0.2432

■ 71.6506, 0.2393,
0.2849

■ 5.3833, 0.1576,
0.2242

■ 94.4179, 0.2453,
0.2889

■ 2.4739, 0.1252,
0.1961

■ 121.5596, 0.2505,
0.2923

■ 0.8635, 0.0676,
0.1540

■ 153.4602, 0.2549,
0.2951

■ 0.0000, 0.0000,
0.0000

190.5039, 0.2587,

0.2975

233.0753, 0.2621,
0.2996

■ 25.7512, 0.2125,
0.2665

■ 25.7512, 0.2125,
0.2665

■ 24.0834, 0.2067,
0.2576

■ 27.6511, 0.2203,
0.2754

■ 22.6080, 0.2025,
0.2488

■ 29.8044, 0.2299,
0.2843

■ 32.2323, 0.2412,
0.2929

■ 34.9530, 0.2539,
0.3011

■ 37.9827, 0.2677,
0.3089

■ 41.3363, 0.2823,
0.3162

■ 45.0275, 0.2974,
0.3229

■ 49.0693, 0.3126,
0.3290

■ 53.4739, 0.3277,
0.3344

Harmonies

Analogous

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



25.7512, 0.2206, 0.3104



25.7512, 0.2125, 0.2665



25.7512, 0.2276, 0.2440

Triad

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



25.7512, 0.2125, 0.2665



25.7512, 0.3735, 0.2928



25.7512, 0.3555, 0.4310

Complementary

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



25.7512, 0.2125, 0.2665



15.3454, 0.5493, 0.3669

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.



25.7512, 0.4011, 0.4143



25.7512, 0.2125, 0.2665



25.7512, 0.4140, 0.3342

Square

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



25.7512, 0.2125, 0.2665



25.7512, 0.3172, 0.2604



25.7512, 0.4237, 0.3777



25.7512, 0.3006, 0.4145

Rectangle

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



25.7512, 0.2125, 0.2665



25.7512, 0.2499, 0.2410



25.7512, 0.4237, 0.3777



25.7512, 0.3724, 0.4286

Sweetspot

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



25.7521, 0.2125, 0.2665



72.2252, 0.2760, 0.3131



35.9780, 0.2888, 0.5332



15.4309, 0.2708, 0.3105



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



25.7521, 0.2125, 0.2665



41.6227, 0.2035, 0.2510



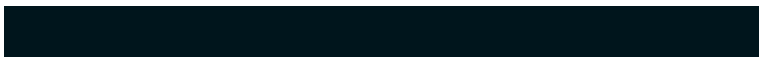
9.2154, 0.1776, 0.1334



9.8328, 0.2985, 0.3233



15.3308, 0.2028, 0.2500



0.6304, 0.2091, 0.2727

Inverse Universe

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



13.9677, 0.3745, 0.1980



22.6787, 0.3911, 0.1942



31.2179, 0.4527, 0.4572



9.1246, 0.3173, 0.3118



8.3300, 0.3922, 0.1934



0.3027, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 25.7512, 0.2125, 0.2665 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 25.7512, 0.2125, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

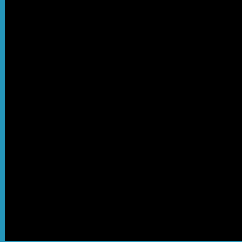
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7512, 0.2125, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 25.7512, 0.2125, 0.2665.

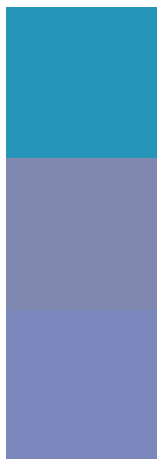


This preview shows how white text looks on a background with the Yxy color 25.7512, 0.2125, 0.2665.

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

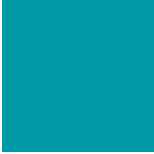
25.7512, 0.2125, 0.2665

Protanopia

25.3321, 0.2675, 0.2653

Deuteranopia

25.4200, 0.2523, 0.2465



Tritanopia

25.5356, 0.2179, 0.3045

Trichromacy



Original Color

25.7512, 0.2125, 0.2665

Protanomaly

24.7779, 0.2391, 0.2635

Deuteranomaly

24.9047, 0.2315, 0.2516

Tritanomaly

25.5592, 0.2153, 0.2906

Monochromacy



Original Color

25.7512, 0.2125, 0.2665

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.4199, 0.2584, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7512, 0.2125, 0.2665 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(37, 150, 186)` looks like.

```
.text, #text, p{  
    color:rgb(37, 150, 186)  
}
```

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(37, 150, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 150, 186) }
```

Border

The CSS property to change the border of an element to Yxy 25.7512, 0.2125, 0.2665 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(37, 150, 186) }
```

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

```
.border{ border-color:rgb(37, 150, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 150, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 150, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 150, 186); box-shadow:4px 4px 4px 4px rgb(37, 150, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7512, 0.2125, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 150, 186) }
```

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

```
.background{ background-color: rgb(37, 150,  
186) }
```

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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