

Converting Colors

$Y_{xy}(24.4699, 0.2296, 0.2714)$

Have a look what the booklet for
Yxy(24.4699, 0.2296, 0.2714)
contains.

Yxy(24.6167, 0.2295, 0.2715)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.6167, 0.2295, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	4B90B1
RGB	75, 144, 177
RGB Percent	29%, 56%, 69%
CMY	0.7059, 0.4353, 0.3059
CMYK	0.58, 0.19, 0.00, 0.31
HSL	199°, 40%, 49%
HSV	199°, 58%, 69%
XYZ	20.8086, 24.6167, 45.2440
YIQ	127.1310, -51.7170, -4.3650

Conversions

Conversions Part 2

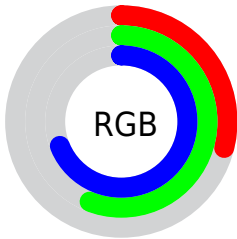
Format	Color
RYB	75, 116, 177
Decimal	4952241
CIELab	56.70, -12.01, -23.90
CIElCh	57, 26.748, 243.315
Yxy	24.6167, 0.2295, 0.2715
Android (android.graphics.Color)	4283142321 (0xFF4B90B1)
YUV	127.1310, 24.5854, -45.7189
Hunter-Lab	49.6152, -11.9638, -19.3357

Details

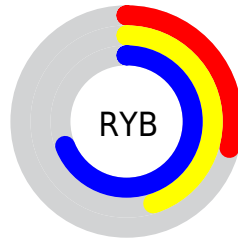
The Yxy color **24.6167, 0.2295, 0.2715** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.5718, 0.4530, 0.3764**, and the grayscale version is **21.1970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1769, 0.2465, 0.2840**, and **9.4606, 0.2032, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **22.3106, 0.2183, 0.2595**, and if you desaturate by 10%, it is **27.2110, 0.2422, 0.2831**.

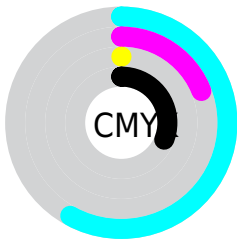
Distribution



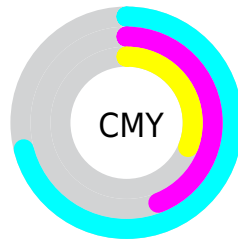
- Red (29%)
- Green (56%)
- Blue (69%)



- Red (29%)
- Yellow (45%)
- Blue (69%)



- Cyan (58%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (71%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6167, 0.2295, 0.2715 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 24.6167, 0.2295, 0.2715 by changing the saturation by 10% instead.

■ 24.6167, 0.2295,
0.2715

■ 24.6167, 0.2295,
0.2715

■ 275.9237, 0.2740,
0.3036

■ 15.7917, 0.2176,
0.2624

■ 51.0347, 0.2463,
0.2840

■ 9.3769, 0.2018,
0.2499

■ 69.3965, 0.2524,
0.2884

■ 4.9878, 0.1802,
0.2322

■ 91.7061, 0.2575,
0.2921

■ 2.2401, 0.1494,
0.2053

■ 118.3478, 0.2618,
0.2951

■ 0.7417, 0.0902,
0.1626

■ 149.7060, 0.2655,
0.2977

■ 0.0000, 0.0000,
0.0000

186.1651, 0.2687,

0.3000

228.1095, 0.2715,
0.3019

■ 24.6167, 0.2295,
0.2715

■ 24.6167, 0.2295,
0.2715

■ 22.3106, 0.2183,
0.2595

■ 27.2110, 0.2422,
0.2831

■ 20.2718, 0.2088,
0.2472

■ 30.1070, 0.2561,
0.2942

■ 18.4801, 0.2013,
0.2350

■ 33.3204, 0.2708,
0.3046

■ 16.9036, 0.1957,
0.2230

■ 36.8648, 0.2859,
0.3141

■ 16.5494, 0.1945,
0.2201

■ 40.7530, 0.3011,
0.3229

■ 44.9970, 0.3163,
0.3308

■ 49.6079, 0.3311,
0.3379

■ 54.5965, 0.3454,
0.3442

■ 59.9731, 0.3591,
0.3497

Harmonies

Analogous

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



24.6167, 0.2321, 0.3049



24.6167, 0.2295, 0.2715



24.6167, 0.2468, 0.2559

Triad

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



24.6167, 0.2295, 0.2715



24.6167, 0.3722, 0.3064



24.6167, 0.3391, 0.4120

Complementary

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



24.6167, 0.2295, 0.2715



20.5718, 0.4530, 0.3764

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.



24.6167, 0.3796, 0.4053



24.6167, 0.2295, 0.2715



24.6167, 0.4005, 0.3427

Square

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



24.6167, 0.2295, 0.2715



24.6167, 0.3275, 0.2764



24.6167, 0.4028, 0.3786



24.6167, 0.2933, 0.3915

Rectangle

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



24.6167, 0.2295, 0.2715



24.6167, 0.2684, 0.2556



24.6167, 0.4028, 0.3786



24.6167, 0.3538, 0.4127

Sweetspot

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



24.6176, 0.2295, 0.2715



66.2611, 0.2864, 0.3145



34.0030, 0.2849, 0.4551



14.0813, 0.2835, 0.3127



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.6176, 0.2295, 0.2715



38.9891, 0.2157, 0.2564



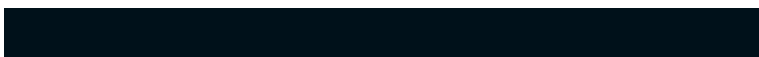
12.6186, 0.2096, 0.1785



9.1590, 0.2986, 0.3215



12.1058, 0.1949, 0.2214



0.4812, 0.2042, 0.2550

Inverse Universe

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



16.3897, 0.3654, 0.2332



24.4916, 0.3820, 0.2186



34.4060, 0.4076, 0.4428



8.5990, 0.3185, 0.3137



7.7622, 0.4217, 0.2097



0.2544, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 24.6167, 0.2295, 0.2715 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 24.6167, 0.2295, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

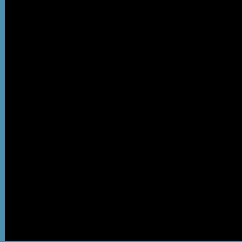
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6167, 0.2295, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 24.6167, 0.2295, 0.2715.

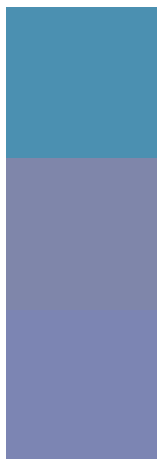


This preview shows how white text looks on a background with the Yxy color 24.6167, 0.2295, 0.2715.

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

24.6167, 0.2295, 0.2715

Protanopia

24.4645, 0.2712, 0.2705

Deuteranopia

24.3148, 0.2609, 0.2555



Tritanopia

24.5996, 0.2378, 0.3067

Trichromacy



Original Color

24.6167, 0.2295, 0.2715

Protanomaly

24.3822, 0.2528, 0.2702

Deuteranomaly

24.1698, 0.2474, 0.2608

Tritanomaly

24.6505, 0.2347, 0.2927

Monochromacy



Original Color

24.6167, 0.2295, 0.2715

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.0075, 0.2746, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6167, 0.2295, 0.2715 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(75, 144, 177)` looks like.

```
.text, #text, p{  
    color:rgb(75, 144, 177)  
}
```

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(75, 144, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 144, 177) }
```

Border

The CSS property to change the border of an element to Yxy 24.6167, 0.2295, 0.2715 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(75, 144, 177) }
```

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

```
.border{ border-color:rgb(75, 144, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 144, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 144, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 144, 177);  
box-shadow:4px 4px 4px 4px rgb(75, 144,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6167, 0.2295, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 144, 177) }
```

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

```
.background{ background-color: rgb(75, 144,  
177) }
```

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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