

Converting Colors

$Y_{xy}(24.1721, 0.2238, 0.2587)$

Have a look what the booklet for
Yxy(24.1721, 0.2238, 0.2587)
contains.

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Color

Yxy(24.1426, 0.2237, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	488EB7
RGB	72, 142, 183
RGB Percent	28%, 56%, 72%
CMY	0.7177, 0.4431, 0.2823
CMYK	0.61, 0.22, 0.00, 0.28
HSL	202°, 44%, 50%
HSV	202°, 61%, 72%
XYZ	20.8925, 24.1426, 48.3599
YIQ	125.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

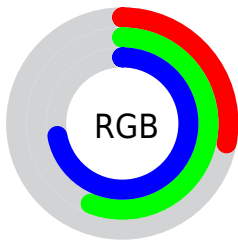
Format	Color
R_{YB}	72, 115, 183
Decimal	4755127
CIE _{Lab}	56.23, -9.58, -28.06
CIE _{LCh}	56, 29.651, 251.144
Yxy	24.1426, 0.2237, 0.2585
Android (android.graphics.Color)	4282945207 (0xFF488EB7)
YUV	125.7440, 28.2272, -47.1335
Hunter-Lab	49.1351, -10.0875, -23.9600

Details

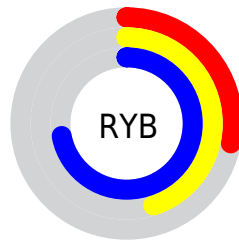
The Yxy color **24.1426, 0.2237, 0.2585** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.3453, 0.4588, 0.3853**, and the grayscale version is **20.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4577, 0.2419, 0.2742**, and **9.2660, 0.1983, 0.2339** is the 20% darker color. If you saturate the color by 10%, you get **21.5909, 0.2123, 0.2445**, and if you desaturate by 10%, it is **27.0273, 0.2367, 0.2722**.

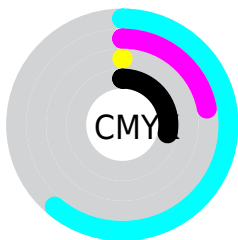
Distribution



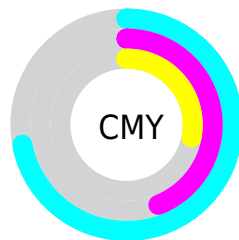
- Red (28%)
- Green (56%)
- Blue (72%)



- Red (28%)
- Yellow (45%)
- Blue (72%)



- Cyan (61%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1426, 0.2237, 0.2585 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 24.1426, 0.2237, 0.2585 by changing the saturation by 10% instead.

■ 24.1426, 0.2237,
0.2585

■ 24.1426, 0.2237,
0.2585

■ 273.5406, 0.2712,
0.2974

■ 15.4394, 0.2110,
0.2476

■ 50.2628, 0.2416,
0.2735

■ 9.1284, 0.1944,
0.2331

■ 68.4486, 0.2481,
0.2789

■ 4.8250, 0.1718,
0.2126

■ 90.5641, 0.2536,
0.2833

■ 2.1450, 0.1400,
0.1825

■ 116.9937, 0.2582,
0.2870

■ 0.6897, 0.0828,
0.1354

■ 148.1218, 0.2622,
0.2902

■ 0.0000, 0.0000,
0.0000

184.3327, 0.2656,

0.2929

226.0108, 0.2686,
0.2953

■ 24.1426, 0.2237,
0.2585

■ 24.1426, 0.2237,
0.2585

■ 21.5909, 0.2123,
0.2445

■ 27.0273, 0.2367,
0.2722

■ 19.3483, 0.2028,
0.2303

■ 30.2614, 0.2508,
0.2852

■ 17.3907, 0.1953,
0.2162

■ 33.8629, 0.2657,
0.2974

■ 15.7743, 0.1898,
0.2034

■ 37.8476, 0.2811,
0.3087

■ 42.2303, 0.2965,
0.3191

■ 47.0248, 0.3117,
0.3284

■ 52.2442, 0.3266,
0.3368

■ 57.9009, 0.3409,
0.3442

■ 64.0067, 0.3546,
0.3508

Harmonies

Analogous

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



24.1426, 0.2207, 0.2903



24.1426, 0.2237, 0.2585



24.1426, 0.2480, 0.2470

Triad

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



24.1426, 0.2237, 0.2585



24.1426, 0.3898, 0.3137



24.1426, 0.3282, 0.4193

Complementary

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



24.1426, 0.2237, 0.2585



22.3453, 0.4588, 0.3853

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.



24.1426, 0.3763, 0.4186



24.1426, 0.2237, 0.2585



24.1426, 0.4144, 0.3542

Square

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



24.1426, 0.2237, 0.2585



24.1426, 0.3429, 0.2784



24.1426, 0.4087, 0.3926



24.1426, 0.2783, 0.3888

Rectangle

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



24.1426, 0.2237, 0.2585



24.1426, 0.2747, 0.2502



24.1426, 0.4087, 0.3926



24.1426, 0.3452, 0.4226

Sweetspot

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



24.1435, 0.2237, 0.2585



69.5695, 0.2847, 0.3113



36.4314, 0.2808, 0.4532



14.8807, 0.2802, 0.3081



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.1435, 0.2237, 0.2585



37.1810, 0.2087, 0.2394



11.5804, 0.2017, 0.1598



9.6378, 0.2985, 0.3204



11.1386, 0.1903, 0.2050



0.5067, 0.2002, 0.2406

Inverse Universe

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



16.6551, 0.3776, 0.2353



24.7258, 0.3991, 0.2224



38.6156, 0.4082, 0.4537



9.1049, 0.3192, 0.3147



7.9068, 0.4397, 0.2196



0.2902, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 24.1426, 0.2237, 0.2585 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 24.1426, 0.2237, 0.2585 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

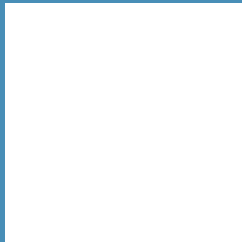
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1426, 0.2237, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 24.1426, 0.2237, 0.2585.



This preview shows how white text looks on a background with the Yxy color 24.1426, 0.2237, 0.2585.

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

24.1426, 0.2237, 0.2585

Protanopia

24.0472, 0.2615, 0.2593

Deuteranopia

23.8569, 0.2509, 0.2446



Tritanopia

24.0185, 0.2343, 0.3063

Trichromacy



Original Color

24.1426, 0.2237, 0.2585

Protanomaly

23.8060, 0.2448, 0.2573

Deuteranomaly

23.8357, 0.2392, 0.2498

Tritanomaly

24.1646, 0.2305, 0.2889

Monochromacy



Original Color

24.1426, 0.2237, 0.2585

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.6733, 0.2707, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1426, 0.2237, 0.2585 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(72, 142, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 142, 183)  
}
```

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(72, 142, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 142, 183) }
```

Border

The CSS property to change the border of an element to Yxy 24.1426, 0.2237, 0.2585 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(72, 142, 183) }
```

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

```
.border{ border-color:rgb(72, 142, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 142, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 142, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 142, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 142,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1426, 0.2237, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 142, 183) }
```

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

```
.background{ background-color: rgb(72, 142,  
183) }
```

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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