

Converting Colors

$Y_{xy}(29.8888, 0.2466, 0.2847)$

Have a look what the booklet for
Yxy(29.8888, 0.2466, 0.2847)
contains.

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Color

Yxy(30.0206, 0.2464, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	669CB7
RGB	102, 156, 183
RGB Percent	40%, 61%, 72%
CMY	0.6002, 0.3882, 0.2824
CMYK	0.44, 0.15, 0.00, 0.28
HSL	200°, 36%, 56%
HSV	200°, 44%, 72%
XYZ	25.9092, 30.0206, 49.2212
YIQ	142.9320, -40.8510, -3.0510

Conversions

Conversions Part 2

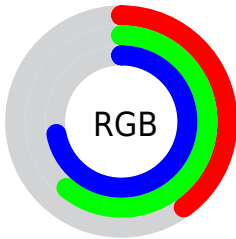
Format	Color
RYB	102, 134, 183
Decimal	6724791
CIELab	61.67, -10.60, -19.58
CIELCh	62, 22.261, 241.576
Yxy	30.0206, 0.2464, 0.2855
Android (android.graphics.Color)	4284914871 (0xFF669CB7)
YUV	142.9320, 19.7535, -35.8974
Hunter-Lab	54.7911, -11.4766, -14.9090

Details

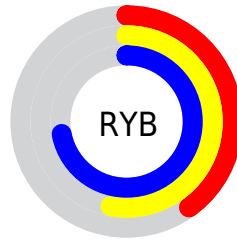
The Yxy color **30.0206, 0.2464, 0.2855** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.7031, 0.4099, 0.3678**, and the grayscale version is **27.3674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4933, 0.2595, 0.2939**, and **12.3192, 0.2252, 0.2706** is the 20% darker color. If you saturate the color by 10%, you get **27.0754, 0.2331, 0.2736**, and if you desaturate by 10%, it is **33.3065, 0.2607, 0.2967**.

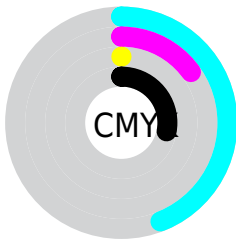
Distribution



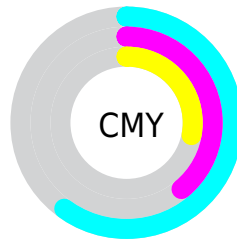
- Red (40%)
- Green (61%)
- Blue (72%)



- Red (40%)
- Yellow (53%)
- Blue (72%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)
- Black (28%)





- Cyan (60%)
- Magenta (39%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0206, 0.2464, 0.2855 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 30.0206, 0.2464, 0.2855 by changing the saturation by 10% instead.


 30.0206, 0.2464,
0.2855


 30.0206, 0.2464,
0.2855


302.0005, 0.2811,
0.3092

 19.8542, 0.2373,
0.2790


 59.6948, 0.2594,
0.2946

 12.2891, 0.2254,
0.2702

 79.9713, 0.2641,
0.2978

 6.9409, 0.2091,
0.2579


 104.3867, 0.2681,
0.3005

 3.4252, 0.1859,
0.2394

 133.3254, 0.2715,
0.3028

 1.3575, 0.1506,
0.2095

167.1717, 0.2744,
0.3047

 0.1851, 0.0000,
0.0979

206.3101, 0.2769,

 0.0000, 0.0000,

0.3064

0.0000

251.1249, 0.2791,
0.3079

■ 30.0206, 0.2464,
0.2855

■ 30.0206, 0.2464,
0.2855

■ 27.0754, 0.2331,
0.2736

■ 33.3065, 0.2607,
0.2967

■ 24.4503, 0.2212,
0.2613

■ 36.9454, 0.2757,
0.3072

■ 22.1273, 0.2110,
0.2487

■ 40.9531, 0.2909,
0.3168

■ 20.0846, 0.2027,
0.2360

■ 45.3430, 0.3062,
0.3255

■ 18.2960, 0.1965,
0.2235

■ 50.1282, 0.3213,
0.3334

■ 17.3580, 0.1935,
0.2164

■ 55.3206, 0.3359,
0.3404

■ 60.9319, 0.3501,
0.3466

■ 66.9731, 0.3636,
0.3521

■ 71.1811, 0.3672,
0.3579

Harmonies

Analogous

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



30.0206, 0.2496, 0.3128



30.0206, 0.2464, 0.2855



30.0206, 0.2595, 0.2716

Triad

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



30.0206, 0.2464, 0.2855



30.0206, 0.3573, 0.3099



30.0206, 0.3360, 0.3932

Complementary

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



30.0206, 0.2464, 0.2855



26.7031, 0.4099, 0.3678

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.



30.0206, 0.3669, 0.3881



30.0206, 0.2464, 0.2855



30.0206, 0.3801, 0.3390

Square

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



30.0206, 0.2464, 0.2855



30.0206, 0.3225, 0.2861



30.0206, 0.3835, 0.3675



30.0206, 0.3001, 0.3783

Rectangle

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



30.0206, 0.2464, 0.2855



30.0206, 0.2764, 0.2704



30.0206, 0.3835, 0.3675



30.0206, 0.3474, 0.3936

Sweetspot

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



30.0217, 0.2464, 0.2855



74.1684, 0.2926, 0.3178



38.2315, 0.2894, 0.4211



16.0152, 0.2892, 0.3157



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.



30.0217, 0.2464, 0.2855



48.7051, 0.2336, 0.2741



18.9168, 0.2350, 0.2183



9.6933, 0.2985, 0.3212



12.2412, 0.1939, 0.2179



0.5402, 0.2028, 0.2499

Inverse Universe

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



21.9586, 0.3507, 0.2543



33.4545, 0.3623, 0.2395



39.0771, 0.3856, 0.4192



9.1105, 0.3187, 0.3139



8.0181, 0.4255, 0.2118



0.2936, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 30.0206, 0.2464, 0.2855 looks on a white background.

Color Contrast Check

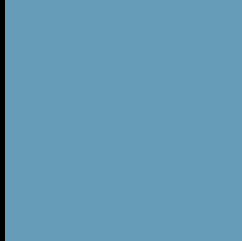
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0206, 0.2464, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

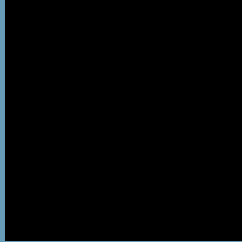
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

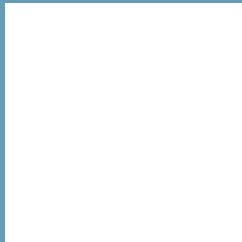
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0206, 0.2464, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 30.0206, 0.2464, 0.2855.



This preview shows how white text looks on a background with the Yxy color 30.0206, 0.2464, 0.2855.

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

30.0206, 0.2464, 0.2855

Protanopia

29.7925, 0.2809, 0.2835

Deuteranopia

29.6829, 0.2760, 0.2696



Tritanopia

29.9907, 0.2521, 0.3072

Trichromacy



Original Color

30.0206, 0.2464, 0.2855

Protanomaly

29.5794, 0.2666, 0.2837

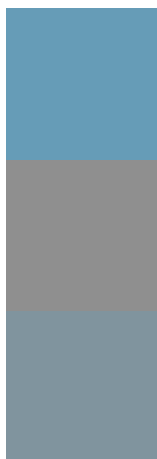
Deuteranomaly

29.6227, 0.2643, 0.2752

Tritanomaly

29.8617, 0.2499, 0.2992

Monochromacy



Original Color

30.0206, 0.2464, 0.2855

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2376, 0.2841, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0206, 0.2464, 0.2855 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(102, 156, 183)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 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(102, 156, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 183) }
```

Border

The CSS property to change the border of an element to Yxy 30.0206, 0.2464, 0.2855 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(102, 156, 183) }
```

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

```
.border{ border-color:rgb(102, 156, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 156, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 156, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 156, 183);  
box-shadow:4px 4px 4px 4px rgb(102, 156,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0206, 0.2464, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 183) }
```

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

```
.background{ background-color: rgb(102,  
156, 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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