

Converting Colors

$Y_{xy}(29.1564, 0.2652, 0.3341)$

Have a look what the booklet for
Yxy(29.1564, 0.2652, 0.3341)
contains.

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Color

Yxy(29.1564, 0.2652, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	649D9A
RGB	100, 157, 154
RGB Percent	39%, 62%, 60%
CMY	0.6078, 0.3843, 0.3962
CMYK	0.36, 0.00, 0.02, 0.38
HSL	177°, 23%, 50%
HSV	177°, 36%, 62%
XYZ	23.1436, 29.1564, 34.9685
YIQ	139.6150, -33.0090, -13.0170

Conversions

Conversions Part 2

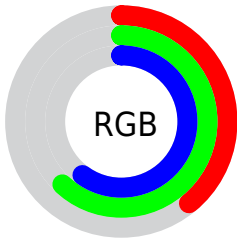
Format	Color
RYB	100, 129, 157
Decimal	6593946
CIELab	60.92, -19.32, -4.34
CIELCh	61, 19.806, 192.666
Yxy	29.1564, 0.2652, 0.3341
Android (android.graphics.Color)	4284784026 (0xFF649D9A)
YUV	139.6150, 7.0918, -34.7424
Hunter-Lab	53.9967, -17.9870, -0.5988

Details

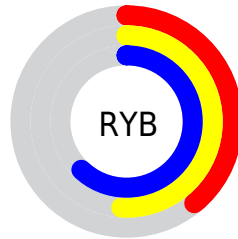
The Yxy color $29.1564, 0.2652, 0.3341$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.2636, 0.3928, 0.3242$, and the grayscale version is $26.0503, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4133, 0.2748, 0.3340$, and $11.7108, 0.2487, 0.3340$ is the 20% darker color. If you saturate the color by 10%, you get $28.3192, 0.2549, 0.3357$, and if you desaturate by 10%, it is $30.1687, 0.2769, 0.3326$.

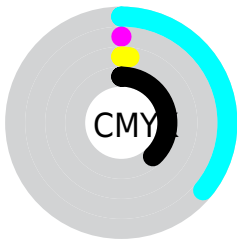
Distribution



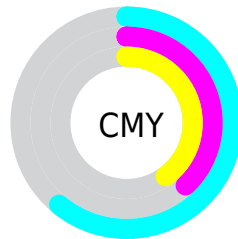
- Red (39%)
- Green (62%)
- Blue (60%)



- Red (39%)
- Yellow (51%)
- Blue (62%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (38%)





- Cyan (61%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1564, 0.2652, 0.3341 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 29.1564, 0.2652, 0.3341 by changing the saturation by 10% instead.


 29.1564, 0.2652,
0.3341


 29.1564, 0.2652,
0.3341


297.9522, 0.2905,
0.3317

 19.1992, 0.2583,
0.3346


 58.3255, 0.2748,
0.3333


 11.8143, 0.2491,
0.3352


 78.3061, 0.2783,
0.3329

 6.6173, 0.2362,
0.3359


 102.3967, 0.2812,
0.3327

 3.2240, 0.2169,
0.3365

 130.9816, 0.2836,
0.3324

 1.2497, 0.1827,
0.3372

164.4452, 0.2857,
0.3322

 0.1018, 0.0000,
0.1972

203.1719, 0.2876,

 0.0000, 0.0000,

0.3320

0.0000

247.5461, 0.2891,
0.3318

■ 29.1564, 0.2652,
0.3341

■ 29.1564, 0.2652,
0.3341

■ 28.3192, 0.2549,
0.3357

■ 30.1687, 0.2769,
0.3326

■ 27.6435, 0.2463,
0.3374

■ 31.3617, 0.2898,
0.3311

■ 27.1197, 0.2394,
0.3391


■ 32.7451, 0.3037,
0.3298


■ 26.7354, 0.2344,
0.3409


■ 34.3268, 0.3181,
0.3286


■ 26.4764, 0.2312,
0.3426

■ 36.1145, 0.3329,
0.3275

 26.3221, 0.2296,
0.3443

 38.1151, 0.3479,
0.3265

 26.2748, 0.2292,
0.3449

 40.3355, 0.3628,
0.3256

 42.7821, 0.3774,
0.3249

 45.4613, 0.3917,
0.3243

Harmonies

Analogous

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



29.1564, 0.2901, 0.3641



29.1564, 0.2652, 0.3341



29.1564, 0.2529, 0.3044

Triad

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



29.1564, 0.2652, 0.3341



29.1564, 0.3008, 0.2810



29.1564, 0.3727, 0.3720

Complementary

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



29.1564, 0.2652, 0.3341



17.2636, 0.3928, 0.3242

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.



29.1564, 0.3765, 0.3482



29.1564, 0.2652, 0.3341



29.1564, 0.3338, 0.2973

Square

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



29.1564, 0.2652, 0.3341



29.1564, 0.2726, 0.2758



29.1564, 0.3620, 0.3214



29.1564, 0.3524, 0.3857

Rectangle

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



29.1564, 0.2652, 0.3341



29.1564, 0.2530, 0.2893



29.1564, 0.3620, 0.3214



29.1564, 0.3760, 0.3648

Sweetspot

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



29.1576, 0.2652, 0.3341



57.3799, 0.2968, 0.3304



27.9673, 0.3112, 0.4342



12.5591, 0.2951, 0.3306



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.1576, 0.2652, 0.3341



50.9134, 0.2563, 0.3355



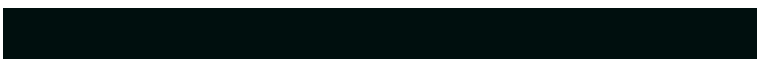
21.7293, 0.2569, 0.2843



7.5034, 0.2995, 0.3302



21.3401, 0.2291, 0.3448



0.3832, 0.2272, 0.3379

Inverse Universe

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



17.2636, 0.3928, 0.3242



26.2584, 0.4219, 0.3232



22.6813, 0.3829, 0.3695



6.6516, 0.3276, 0.3278



5.8384, 0.6325, 0.3258



0.1059, 0.5979, 0.3067

Previews

White Background



This preview shows how the Yxy color 29.1564, 0.2652, 0.3341 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 29.1564, 0.2652, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

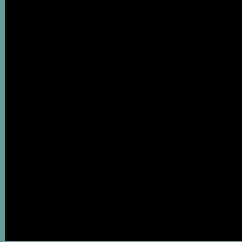
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1564, 0.2652, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 29.1564, 0.2652, 0.3341.

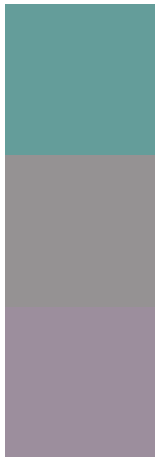


This preview shows how white text looks on a background with the Yxy color 29.1564, 0.2652, 0.3341.

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

29.1564, 0.2652, 0.3341

Protanopia

29.0539, 0.3149, 0.3274

Deuteranopia

28.8482, 0.3127, 0.3061



Tritanopia

29.1163, 0.2576, 0.3087

Trichromacy



Original Color

29.1564, 0.2652, 0.3341

Protanomaly

28.8400, 0.2939, 0.3289

Deuteranomaly

28.5020, 0.2933, 0.3144

Tritanomaly

29.2103, 0.2606, 0.3187

Monochromacy



Original Color

29.1564, 0.2652, 0.3341

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.9621, 0.2924, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1564, 0.2652, 0.3341 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(100, 157, 154)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 154)  
}
```

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(100, 157, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 154) }
```

Border

The CSS property to change the border of an element to Yxy 29.1564, 0.2652, 0.3341 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(100, 157, 154) }
```

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

```
.border{ border-color:rgb(100, 157, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 157, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 154);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1564, 0.2652, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 154) }
```

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

```
.background{ background-color: rgb(100,  
157, 154) }
```

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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