

Converting Colors

$Y_{xy}(25.7661, 0.2515, 0.3266)$

Have a look what the booklet for
Yxy(25.7661, 0.2515, 0.3266)
contains.

Yxy(25.7525, 0.2514, 0.3270)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.7525, 0.2514, 0.3270)$

Conversions

Conversions Part 1

Format	Color
Hex	509697
RGB	80, 150, 151
RGB Percent	31%, 59%, 59%
CMY	0.6863, 0.4117, 0.4079
CMYK	0.47, 0.01, 0.00, 0.41
HSL	181°, 31%, 45%
HSV	181°, 47%, 59%
XYZ	19.7987, 25.7525, 33.2026
YIQ	129.1840, -42.0410, -14.5290

Conversions

Conversions Part 2

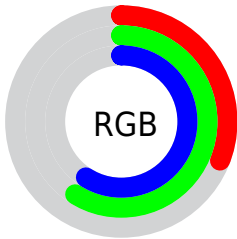
Format	Color
RYB	80, 115, 151
Decimal	5281431
CIELab	57.80, -21.72, -7.37
CIELCh	58, 22.933, 198.755
Yxy	25.7525, 0.2514, 0.3270
Android (android.graphics.Color)	4283471511 (0xFF509697)
YUV	129.1840, 10.7553, -43.1344
Hunter-Lab	50.7469, -19.1660, -3.2693

Details

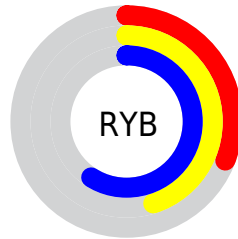
The Yxy color **25.7525, 0.2514, 0.3270** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0380, 0.4354, 0.3310**, and the grayscale version is **21.9922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6618, 0.2640, 0.3275**, and **10.0032, 0.2304, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **25.1016, 0.2424, 0.3265**, and if you desaturate by 10%, it is **26.5532, 0.2621, 0.3275**.

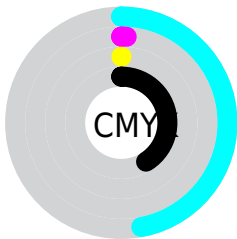
Distribution



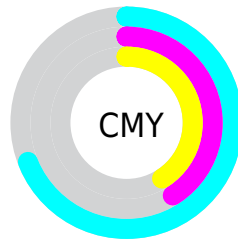
- Red (31%)
- Green (59%)
- Blue (59%)



- Red (31%)
- Yellow (45%)
- Blue (59%)



- Cyan (47%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (69%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7525, 0.2514, 0.3270 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 25.7525, 0.2514, 0.3270 by changing the saturation by 10% instead.


 25.7525, 0.2514,
0.3270


 25.7525, 0.2514,
0.3270


281.5650, 0.2845,
0.3288


 16.6386, 0.2423,
0.3262


 52.8754, 0.2641,
0.3279


 9.9771, 0.2300,
0.3250


 71.6532, 0.2686,
0.3281

 5.3838, 0.2126,
0.3227

 94.4210, 0.2724,
0.3283

 2.4742, 0.1864,
0.3182

 121.5633, 0.2756,
0.3284

 0.8637, 0.1078,
0.3200

 153.4644, 0.2783,
0.3285

 0.0000, 0.0000,
0.0000

190.5088, 0.2807,

0.3286

233.0809, 0.2827,
0.3287

■ 25.7525, 0.2514,
0.3270

■ 25.7525, 0.2514,
0.3270

■ 25.1016, 0.2424,
0.3265

■ 26.5532, 0.2621,
0.3275

■ 24.5875, 0.2351,
0.3261

■ 27.5098, 0.2743,
0.3279

■ 24.2000, 0.2297,
0.3256

■ 28.6317, 0.2877,
0.3283

■ 23.9259, 0.2261,
0.3252


■ 29.9266, 0.3022,
0.3287

■ 23.7439, 0.2240,
0.3247


■ 31.4017, 0.3173,
0.3291

 23.6952, 0.2235,
0.3246

 33.0641, 0.3328,
0.3295

 34.9201, 0.3485,
0.3298

 36.9759, 0.3641,
0.3301

 39.2375, 0.3795,
0.3303

Harmonies

Analogous

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



25.7525, 0.2783, 0.3649



25.7525, 0.2514, 0.3270



25.7525, 0.2405, 0.2928

Triad

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



25.7525, 0.2514, 0.3270



25.7525, 0.3061, 0.2748



25.7525, 0.3814, 0.3848

Complementary

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



25.7525, 0.2514, 0.3270



13.0380, 0.4354, 0.3310

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.



25.7525, 0.3908, 0.3577



25.7525, 0.2514, 0.3270



25.7525, 0.3457, 0.2963

Square

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



25.7525, 0.2514, 0.3270



25.7525, 0.2704, 0.2656



25.7525, 0.3776, 0.3258



25.7525, 0.3534, 0.3989

Rectangle

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



25.7525, 0.2514, 0.3270



25.7525, 0.2430, 0.2768



25.7525, 0.3776, 0.3258



25.7525, 0.3869, 0.3768

Sweetspot

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



25.7535, 0.2514, 0.3270



51.8863, 0.2916, 0.3284



24.4150, 0.3060, 0.4723



11.6922, 0.2888, 0.3284



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.7535, 0.2514, 0.3270



44.9481, 0.2423, 0.3265



16.3119, 0.2393, 0.2588



7.0118, 0.2989, 0.3286



20.1634, 0.2235, 0.3246



0.3055, 0.2241, 0.3266

Inverse Universe

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



14.5156, 0.3193, 0.2193



22.4334, 0.3206, 0.1995



19.5307, 0.4062, 0.3890



6.3222, 0.3139, 0.3074



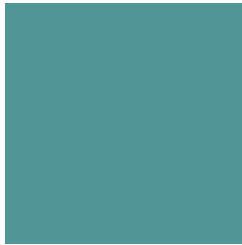
7.4408, 0.3243, 0.1560



0.1116, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 25.7525, 0.2514, 0.3270 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 25.7525, 0.2514, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

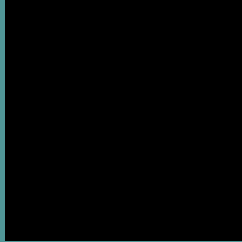
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7525, 0.2514, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 25.7525, 0.2514, 0.3270.

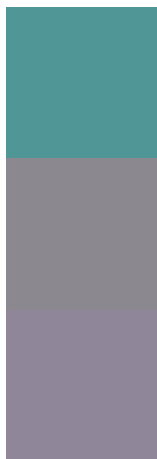


This preview shows how white text looks on a background with the Yxy color 25.7525, 0.2514, 0.3270.

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

25.7525, 0.2514, 0.3270

Protanopia

25.3635, 0.3088, 0.3190

Deuteranopia

25.3126, 0.3033, 0.2969



Tritanopia

25.9071, 0.2462, 0.3074

Trichromacy



Original Color

25.7525, 0.2514, 0.3270

Protanomaly

25.2729, 0.2845, 0.3219

Deuteranomaly

25.1210, 0.2810, 0.3067

Tritanomaly

25.7231, 0.2482, 0.3144

Monochromacy



Original Color

25.7525, 0.2514, 0.3270

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.0770, 0.2853, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7525, 0.2514, 0.3270 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(80, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(80, 150, 151)  
}
```

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(80, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 150, 151) }
```

Border

The CSS property to change the border of an element to Yxy 25.7525, 0.2514, 0.3270 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(80, 150, 151) }
```

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

```
.border{ border-color:rgb(80, 150, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(80, 150,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7525, 0.2514, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 150, 151) }
```

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

```
.background{ background-color: rgb(80, 150,  
151) }
```

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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