

Converting Colors

$Yxy(34.3705, 0.2648, 0.3445)$

Have a look what the booklet for
Yxy(34.3705, 0.2648, 0.3445)
contains.

Yxy(34.5238, 0.2648, 0.3453)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.5238, 0.2648, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	66ABA1
RGB	102, 171, 161
RGB Percent	40%, 67%, 63%
CMY	0.6000, 0.3294, 0.3687
CMYK	0.40, 0.00, 0.06, 0.33
HSL	171°, 29%, 54%
HSV	171°, 40%, 67%
XYZ	26.4752, 34.5238, 38.9830
YIQ	149.2290, -37.9140, -17.7380

Conversions

Conversions Part 2

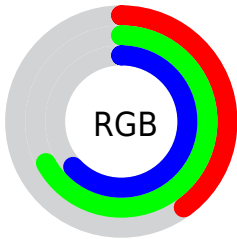
Format	Color
RYB	102, 139, 171
Decimal	6728609
CIELab	65.38, -24.22, -1.71
CIElCh	65, 24.279, 184.042
Yxy	34.5238, 0.2648, 0.3453
Android (android.graphics.Color)	4284918689 (0xFF66ABA1)
YUV	149.2290, 5.8031, -41.4198
Hunter-Lab	58.7570, -22.3945, 1.7932

Details

The Yxy color $34.5238, 0.2648, 0.3453$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $19.3326, 0.3974, 0.3139$, and the grayscale version is $30.1444, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.9640, 0.2739, 0.3423$, and $14.7110, 0.2487, 0.3481$ is the 20% darker color. If you saturate the color by 10%, you get $33.5403, 0.2559, 0.3500$, and if you desaturate by 10%, it is $35.7179, 0.2752, 0.3408$.

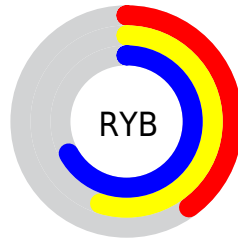
Distribution



Red (40%)

Green (67%)

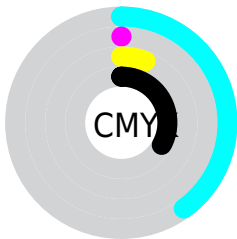
Blue (63%)



Red (40%)

Yellow (55%)

Blue (67%)

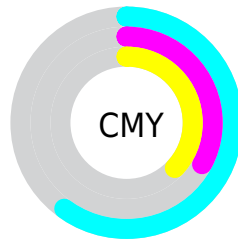


Cyan (40%)

Magenta (0%)

Yellow (6%)

Black (33%)



Cyan (60%)


Magenta (33%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5238, 0.2648, 0.3453 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 34.5238, 0.2648, 0.3453 by changing the saturation by 10% instead.


 34.5238, 0.2648,
0.3453


 34.5238, 0.2648,
0.3453


322.4614, 0.2898,
0.3369


 23.2963, 0.2582,
0.3475


 66.7474, 0.2741,
0.3422


 14.8124, 0.2496,
0.3502


 88.5123, 0.2775,
0.3411

 8.6879, 0.2377,
0.3540


 114.5584, 0.2804,
0.3401

 4.5381, 0.2205,
0.3594

 145.2701, 0.2828,
0.3393

 1.9789, 0.1932,
0.3675

181.0319, 0.2849,
0.3386

 0.5952, 0.0000,
0.4367

222.2281, 0.2868,

 0.0000, 0.0000,

0.3380

0.0000

269.2431, 0.2884,
0.3374

■ 34.5238, 0.2648,
0.3453

■ 34.5238, 0.2648,
0.3453

■ 33.5403, 0.2559,
0.3500

■ 35.7179, 0.2752,
0.3408

■ 32.7504, 0.2486,
0.3550

■ 37.1302, 0.2867,
0.3366

■ 32.1414, 0.2431,
0.3600

■ 38.7727, 0.2992,
0.3327


■ 31.6971, 0.2396,
0.3651

■ 40.6557, 0.3123,
0.3291

■ 31.3985, 0.2378,
0.3701


■ 42.7886, 0.3257,
0.3259

 31.2084, 0.2375,
0.3750

 45.1804, 0.3393,
0.3230

 47.8395, 0.3528,
0.3205

 50.7742, 0.3662,
0.3182

 53.8193, 0.3783,
0.3163

Harmonies

Analogous

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



34.5238, 0.2965, 0.3783



34.5238, 0.2648, 0.3453



34.5238, 0.2462, 0.3093

Triad

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



34.5238, 0.2648, 0.3453



34.5238, 0.2885, 0.2708



34.5238, 0.3857, 0.3710

Complementary

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



34.5238, 0.2648, 0.3453



19.3326, 0.3974, 0.3139

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.



34.5238, 0.3840, 0.3418



34.5238, 0.2648, 0.3453



34.5238, 0.3260, 0.2862

Square

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



34.5238, 0.2648, 0.3453



34.5238, 0.2593, 0.2688



34.5238, 0.3617, 0.3115



34.5238, 0.3668, 0.3916

Rectangle

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



34.5238, 0.2648, 0.3453



34.5238, 0.2431, 0.2896



34.5238, 0.3617, 0.3115



34.5238, 0.3876, 0.3619

Sweetspot

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



34.5252, 0.2648, 0.3453



68.8567, 0.2968, 0.3334



33.5546, 0.3157, 0.4471



15.2702, 0.2952, 0.3339



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.5252, 0.2648, 0.3453



60.3081, 0.2571, 0.3493



26.5878, 0.2519, 0.2882



9.0518, 0.3005, 0.3323



23.5316, 0.2374, 0.3745



0.6600, 0.2331, 0.3592

Inverse Universe

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



19.3326, 0.3974, 0.3139



29.4837, 0.4255, 0.3110



24.5793, 0.3972, 0.3660



8.0336, 0.3264, 0.3257



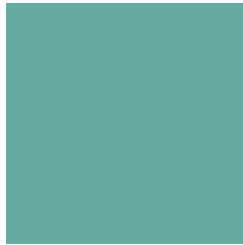
6.5841, 0.6175, 0.3175



0.1889, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 34.5238, 0.2648, 0.3453 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34.5238, 0.2648, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

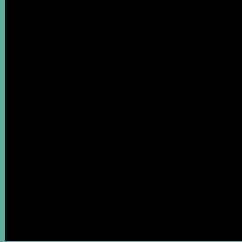
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5238, 0.2648, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 34.5238, 0.2648, 0.3453.



This preview shows how white text looks on a background with the Yxy color 34.5238, 0.2648, 0.3453.

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

34.5238, 0.2648, 0.3453

Protanopia

34.0952, 0.3213, 0.3349

Deuteranopia

34.0451, 0.3185, 0.3119



Tritanopia

34.4673, 0.2542, 0.3084

Trichromacy



Original Color

34.5238, 0.2648, 0.3453

Protanomaly

33.8164, 0.2975, 0.3383

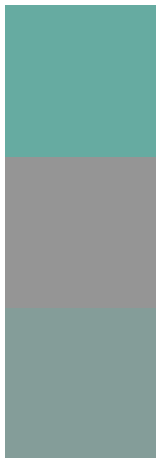
Deuteranomaly

33.8417, 0.2953, 0.3229

Tritanomaly

34.4352, 0.2577, 0.3209

Monochromacy



Original Color

34.5238, 0.2648, 0.3453

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3194, 0.2926, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5238, 0.2648, 0.3453 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, 171, 161)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 161)  
}
```

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, 171, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 161) }
```

Border

The CSS property to change the border of an element to Yxy 34.5238, 0.2648, 0.3453 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, 171, 161) }
```

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

```
.border{ border-color:rgb(102, 171, 161) }
```

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

Here you see how a box with a 4 pixel rgb(102, 171, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 161);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5238, 0.2648, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 161) }
```

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

```
.background{ background-color: rgb(102,  
171, 161) }
```

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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