

Converting Colors

$Y_{xy}(20.9494, 0.3425, 0.5230)$

Have a look what the booklet for
Yxy(20.9494, 0.3425, 0.5230)
contains.

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Color

Yxy(20.9425, 0.3421, 0.5227)

Conversions

Conversions Part 1

Format	Color
Hex	578C29
RGB	87, 140, 41
RGB Percent	34%, 55%, 16%
CMY	0.6589, 0.4509, 0.8392
CMYK	0.38, 0.00, 0.71, 0.45
HSL	92°, 55%, 35%
HSV	92°, 71%, 55%
XYZ	13.7066, 20.9425, 5.4169
YIQ	112.8670, 0.1910, -42.0250

Conversions

Conversions Part 2

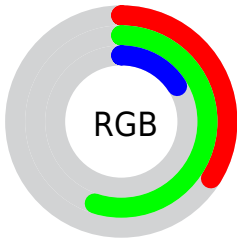
Format	Color
RYB	41, 140, 94
Decimal	5737513
CIELab	52.89, -34.72, 45.21
CIElCh	53, 57.008, 127.525
Yxy	20.9425, 0.3421, 0.5227
Android (android.graphics.Color)	4283927593 (0xFF578C29)
YUV	112.8670, -35.4304, -22.6854
Hunter-Lab	45.7630, -26.6222, 25.0160

Details

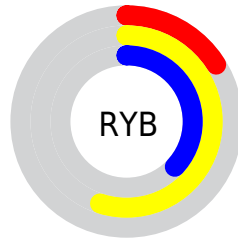
The Yxy color **20.9425, 0.3421, 0.5227** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.8607, 0.2450, 0.1415**, and the grayscale version is **16.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0190, 0.3414, 0.4772**, and **7.4681, 0.3259, 0.5795** is the 20% darker color. If you saturate the color by 10%, you get **20.5202, 0.3408, 0.5446**, and if you desaturate by 10%, it is **21.4389, 0.3415, 0.4969**.

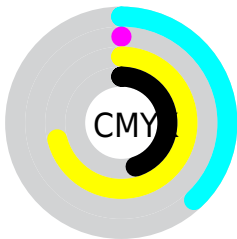
Distribution



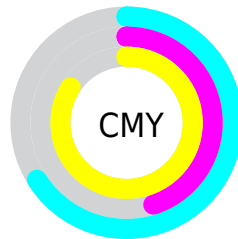
- Red (34%)
- Green (55%)
- Blue (16%)



- Red (16%)
- Yellow (55%)
- Blue (37%)



- Cyan (38%)
- Magenta (0%)
- Yellow (71%)
- Black (45%)



- Cyan (66%)
- Magenta (45%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9425, 0.3421, 0.5227 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 20.9425, 0.3421, 0.5227 by changing the saturation by 10% instead.


 20.9425, 0.3421,
0.5227

 20.9425, 0.3421,
0.5227

256.9728, 0.3323,
0.4087


 13.0820, 0.3402,
0.5564


 44.9918, 0.3410,
0.4770

 7.4850, 0.3334,
0.6020


 61.9494, 0.3397,
0.4611


 3.7672, 0.3214,
0.6786

 82.7081, 0.3383,
0.4482

 1.5442, 0.2476,
0.7524

 107.6524, 0.3369,
0.4375

 0.3196, 0.0000,
1.0000

 137.1666, 0.3356,
0.4286

 0.0000, 0.0000,
0.0000

 171.6351, 0.3344,

0.4209

211.4424, 0.3333,
0.4144

■ 20.9425, 0.3421,
0.5227

■ 20.9425, 0.3421,
0.5227

■ 20.5202, 0.3408,
0.5446

■ 21.4389, 0.3415,
0.4969

■ 20.1642, 0.3375,
0.5614

■ 22.0112, 0.3391,
0.4685

■ 19.8827, 0.3334,
0.5735

■ 22.6641, 0.3353,
0.4391

■ 23.4014, 0.3304,
0.4098

■ 24.2263, 0.3249,
0.3816

■ 25.1422, 0.3191,
0.3551

■ 26.1521, 0.3131,
0.3307

■ 27.2586, 0.3073,
0.3084

■ 28.4647, 0.3016,
0.2883

Harmonies

Analogous

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



20.9425, 0.4322, 0.4908



20.9425, 0.3421, 0.5227



20.9425, 0.2493, 0.4713

Triad

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



20.9425, 0.3421, 0.5227



20.9425, 0.1503, 0.1988



20.9425, 0.4581, 0.2858

Complementary

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



20.9425, 0.3421, 0.5227



5.8607, 0.2450, 0.1415

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.



20.9425, 0.3561, 0.2296



20.9425, 0.3421, 0.5227



20.9425, 0.1854, 0.1810

Square

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



20.9425, 0.3421, 0.5227



20.9425, 0.1474, 0.2545



20.9425, 0.2552, 0.1927



20.9425, 0.5120, 0.3521

Rectangle

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



20.9425, 0.3421, 0.5227



20.9425, 0.1988, 0.3962



20.9425, 0.2552, 0.1927



20.9425, 0.4271, 0.2655

Sweetspot

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



20.9434, 0.3421, 0.5227



42.5964, 0.3254, 0.3836



13.7064, 0.4628, 0.4172



9.7316, 0.3267, 0.3903



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.9434, 0.3421, 0.5227



35.7789, 0.3390, 0.5554



19.4140, 0.3007, 0.5429



5.7146, 0.3182, 0.3511



17.6760, 0.3338, 0.5732



0.1260, 0.3682, 0.5458

Inverse Universe

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



5.8607, 0.2450, 0.1415



7.4183, 0.2260, 0.1109



8.9594, 0.3253, 0.1810



5.0155, 0.3069, 0.3070



3.0231, 0.2120, 0.0942



0.0288, 0.2593, 0.1202

Previews

White Background



This preview shows how the Yxy color 20.9425, 0.3421, 0.5227 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 20.9425, 0.3421, 0.5227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

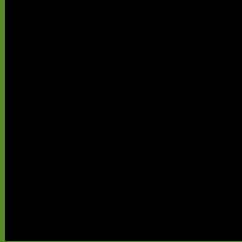
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9425, 0.3421, 0.5227

Background



This preview shows how black text looks on a background with the Yxy color 20.9425, 0.3421, 0.5227.



This preview shows how white text looks on a background with the Yxy color 20.9425, 0.3421, 0.5227.

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

20.9425, 0.3421, 0.5227

Protanopia

20.7180, 0.4243, 0.4681

Deuteranopia

20.5835, 0.4441, 0.4342



Tritanopia

20.9224, 0.2710, 0.3100

Trichromacy



Original Color

20.9425, 0.3421, 0.5227

Protanomaly

20.4375, 0.3921, 0.4900

Deuteranomaly

20.2815, 0.4050, 0.4668

Tritanomaly

20.5569, 0.3003, 0.3882

Monochromacy



Original Color

20.9425, 0.3421, 0.5227

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7971, 0.3298, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9425, 0.3421, 0.5227 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(87, 140, 41)` looks like.

```
.text, #text, p{  
  color:rgb(87, 140, 41)  
}
```

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(87, 140, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 140, 41) }
```

Border

The CSS property to change the border of an element to Yxy 20.9425, 0.3421, 0.5227 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(87, 140, 41) }
```

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

```
.border{ border-color:rgb(87, 140, 41) }
```

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

Here you see how a box with a 4 pixel rgb(87, 140, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 140, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 140, 41);  
box-shadow:4px 4px 4px 4px rgb(87, 140,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9425, 0.3421, 0.5227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 140, 41) }
```

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

```
.background{ background-color: rgb(87, 140,  
41) }
```

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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