

Converting Colors

$Y_{xy}(21.5649, 0.3639, 0.5221)$

Have a look what the booklet for
Yxy(21.5649, 0.3639, 0.5221)
contains.

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Color

Yxy(21.6852, 0.3638, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	668C20
RGB	102, 140, 32
RGB Percent	40%, 55%, 13%
CMY	0.6000, 0.4510, 0.8745
CMYK	0.27, 0.00, 0.77, 0.45
HSL	81°, 63%, 34%
HSV	81°, 77%, 55%
XYZ	15.1190, 21.6852, 4.7543
YIQ	116.3260, 12.0200, -41.6440

Conversions

Conversions Part 2

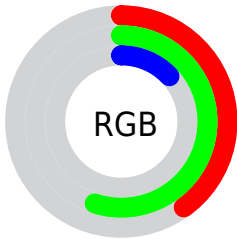
Format	Color
R_{YB}	32, 140, 70
Decimal	6720544
CIE Lab	53.69, -29.48, 49.73
CIE LCh	54, 57.812, 120.659
Yxy	21.6852, 0.3638, 0.5218
Android (android.graphics.Color)	4284910624 (0xFF668C20)
YUV	116.3260, -41.5727, -12.5639
Hunter-Lab	46.5674, -23.5395, 26.5440

Details

The Yxy color **21.6852, 0.3638, 0.5218** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2274, 0.2089, 0.1136**, and the grayscale version is **17.6986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3074, 0.3584, 0.4791**, and **7.9904, 0.3491, 0.5610** is the 20% darker color. If you saturate the color by 10%, you get **21.3463, 0.3633, 0.5376**, and if you desaturate by 10%, it is **22.0755, 0.3619, 0.5016**.

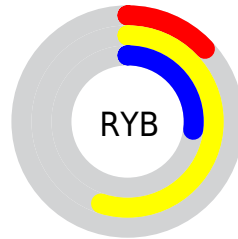
Distribution



Red (40%)

Green (55%)

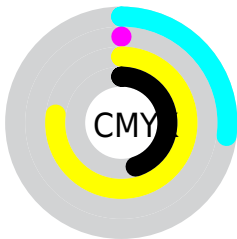
Blue (13%)



Red (13%)

Yellow (55%)

Blue (27%)

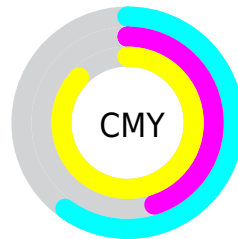


Cyan (27%)

Magenta (0%)

Yellow (77%)

Black (45%)



Cyan (60%)


Magenta (45%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6852, 0.3638, 0.5218 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 21.6852, 0.3638, 0.5218 by changing the saturation by 10% instead.


 21.6852, 0.3638,
0.5218


 21.6852, 0.3638,
0.5218


260.8979, 0.3427,
0.4111


 13.6258, 0.3645,
0.5525


 46.2251, 0.3586,
0.4787

 7.8608, 0.3620,
0.5939


 63.4745, 0.3557,
0.4632


 4.0060, 0.3502,
0.6498

 84.5559, 0.3530,
0.4506

 1.6769, 0.3007,
0.6993

 109.8537, 0.3505,
0.4400

 0.4087, 0.0000,
1.0000

 139.7525, 0.3483,
0.4311

 0.0000, 0.0000,
0.0000

 174.6365, 0.3462,

0.4234

214.8901, 0.3443,
0.4168

■ 21.6852, 0.3638,
0.5218

■ 21.6852, 0.3638,
0.5218

■ 21.3463, 0.3633,
0.5376

■ 22.0755, 0.3619,
0.5016

■ 21.0489, 0.3608,
0.5492

■ 22.5182, 0.3579,
0.4780

■ 20.9684, 0.3600,
0.5523

■ 23.0177, 0.3520,
0.4521

■ 23.5772, 0.3447,
0.4250

■ 24.1995, 0.3366,
0.3978

■ 24.8871, 0.3279,
0.3713

■ 25.6426, 0.3190,
0.3461

■ 26.4682, 0.3102,
0.3225

■ 27.3661, 0.3018,
0.3007

Harmonies

Analogous

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



21.6852, 0.4504, 0.4770



21.6852, 0.3638, 0.5218



21.6852, 0.2694, 0.4917

Triad

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



21.6852, 0.3638, 0.5218



21.6852, 0.1465, 0.2075



21.6852, 0.4376, 0.2716

Complementary

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



21.6852, 0.3638, 0.5218



4.2274, 0.2089, 0.1136

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.



21.6852, 0.3313, 0.2189



21.6852, 0.3638, 0.5218



21.6852, 0.1741, 0.1820

Square

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



21.6852, 0.3638, 0.5218



21.6852, 0.1511, 0.2736



21.6852, 0.2359, 0.1874



21.6852, 0.5062, 0.3364

Rectangle

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



21.6852, 0.3638, 0.5218



21.6852, 0.2143, 0.4240



21.6852, 0.2359, 0.1874



21.6852, 0.4038, 0.2522

Sweetspot

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



21.6862, 0.3638, 0.5218



43.0948, 0.3334, 0.3880



10.0344, 0.5119, 0.3876



9.8422, 0.3362, 0.3966



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.



21.6862, 0.3638, 0.5218



37.2212, 0.3614, 0.5467



19.4939, 0.3112, 0.5583



5.7584, 0.3208, 0.3509



18.6423, 0.3603, 0.5521



0.1320, 0.3882, 0.5299

Inverse Universe

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



4.2274, 0.2089, 0.1136



4.9916, 0.1850, 0.0828



7.1961, 0.2928, 0.1557



4.9723, 0.3042, 0.3068



2.2782, 0.1797, 0.0763



0.0228, 0.2277, 0.1028

Previews

White Background



This preview shows how the Yxy color 21.6852, 0.3638, 0.5218 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 21.6852, 0.3638, 0.5218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

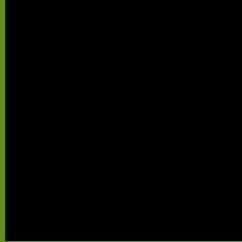
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6852, 0.3638, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 21.6852, 0.3638, 0.5218.



This preview shows how white text looks on a background with the Yxy color 21.6852, 0.3638, 0.5218.

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

21.6852, 0.3638, 0.5218

Protanopia

21.4563, 0.4304, 0.4749

Deuteranopia

21.3015, 0.4525, 0.4438



Tritanopia

21.5332, 0.2849, 0.3089

Trichromacy



Original Color

21.6852, 0.3638, 0.5218

Protanomaly

21.2634, 0.4059, 0.4921

Deuteranomaly

21.0609, 0.4194, 0.4723

Tritanomaly

21.3048, 0.3197, 0.3936

Monochromacy



Original Color

21.6852, 0.3638, 0.5218

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.7026, 0.3404, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6852, 0.3638, 0.5218 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, 140, 32)` looks like.

```
.text, #text, p{  
    color:rgb(102, 140, 32)  
}
```

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, 140, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 32) }
```

Border

The CSS property to change the border of an element to Yxy 21.6852, 0.3638, 0.5218 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, 140, 32) }
```

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

```
.border{ border-color:rgb(102, 140, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 140, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 140, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 140, 32);  
box-shadow:4px 4px 4px 4px rgb(102, 140,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6852, 0.3638, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 140, 32) }
```

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

```
.background{ background-color: rgb(102,  
140, 32) }
```

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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