

Converting Colors

$Y_{xy}(20.8527, 0.3207, 0.4221)$

Have a look what the booklet for
Yxy(20.8527, 0.3207, 0.4221)
contains.

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Color

Yxy(20.8159, 0.3213, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	658759
RGB	101, 135, 89
RGB Percent	40%, 53%, 35%
CMY	0.6039, 0.4706, 0.6510
CMYK	0.25, 0.00, 0.34, 0.47
HSL	104°, 21%, 44%
HSV	104°, 34%, 53%
XYZ	15.8337, 20.8159, 12.6305
YIQ	119.5900, -5.4980, -21.5140

Conversions

Conversions Part 2

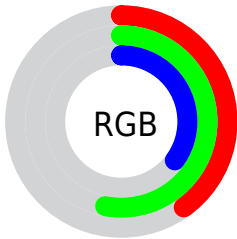
Format	Color
R_YB	89, 135, 123
Decimal	6653785
CIE _{Lab}	52.75, -21.21, 20.99
CIE _{LCh}	53, 29.839, 135.296
Yxy	20.8159, 0.3213, 0.4224
Android (android.graphics.Color)	4284843865 (0xFF658759)
YUV	119.5900, -15.0809, -16.3034
Hunter-Lab	45.6244, -17.8954, 15.5235

Details

The Yxy color $20.8159, 0.3213, 0.4224$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.1009, 0.2994, 0.2434$, and the grayscale version is $18.6952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6028, 0.3208, 0.3999$, and $7.4283, 0.3215, 0.4634$ is the 20% darker color. If you saturate the color by 10%, you get $20.0692, 0.3228, 0.4540$, and if you desaturate by 10%, it is $21.6759, 0.3192, 0.3922$.

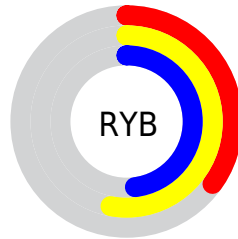
Distribution



Red (40%)

Green (53%)

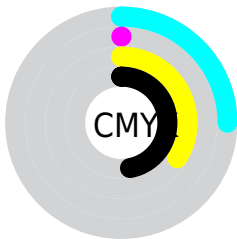
Blue (35%)



Red (35%)

Yellow (53%)

Blue (48%)

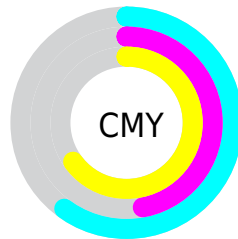


Cyan (25%)

Magenta (0%)

Yellow (34%)

Black (47%)



Cyan (60%)

Magenta (47%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8159, 0.3213, 0.4224 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 20.8159, 0.3213, 0.4224 by changing the saturation by 10% instead.

■ 20.8159, 0.3213,
0.4224

■ 20.8159, 0.3213,
0.4224

■ 256.2985, 0.3177,
0.3674

■ 12.9895, 0.3216,
0.4398

■ 44.7809, 0.3203,
0.3999

■ 7.4213, 0.3212,
0.4650

■ 61.6884, 0.3199,
0.3923

■ 3.7270, 0.3188,
0.5041

■ 82.3916, 0.3194,
0.3861

■ 1.5220, 0.3411,
0.6303

■ 107.2750, 0.3190,
0.3811

■ 0.3042, 0.0000,
1.0000

■ 136.7230, 0.3186,
0.3768

■ 0.0000, 0.0000,
0.0000

171.1200, 0.3183,

0.3732

210.8504, 0.3180,
0.3701

■ 20.8159, 0.3213,
0.4224

■ 20.8159, 0.3213,
0.4224

■ 20.0692, 0.3228,
0.4540

■ 21.6759, 0.3192,
0.3922

■ 19.4283, 0.3234,
0.4859

■ 22.6509, 0.3166,
0.3642

■ 18.8890, 0.3230,
0.5165


■ 23.7461, 0.3139,
0.3387


■ 18.4457, 0.3213,
0.5438

■ 24.9654, 0.3110,
0.3158

■ 18.0921, 0.3184,
0.5661


■ 26.3128, 0.3082,
0.2955

 17.8211, 0.3146,
0.5822

 27.7917, 0.3054,
0.2775

 17.6908, 0.3124,
0.5901

 29.4058, 0.3027,
0.2617

 31.1583, 0.3002,
0.2478

 33.0526, 0.2978,
0.2356

Harmonies

Analogous

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



20.8159, 0.3732, 0.4256



20.8159, 0.3213, 0.4224



20.8159, 0.2696, 0.3858

Triad

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



20.8159, 0.3213, 0.4224



20.8159, 0.2214, 0.2517



20.8159, 0.3996, 0.3184

Complementary

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



20.8159, 0.3213, 0.4224



13.1009, 0.2994, 0.2434

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.



20.8159, 0.3521, 0.2803



20.8159, 0.3213, 0.4224



20.8159, 0.2497, 0.2428

Square

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



20.8159, 0.3213, 0.4224



20.8159, 0.2150, 0.2820



20.8159, 0.2964, 0.2535



20.8159, 0.4214, 0.3610

Rectangle

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



20.8159, 0.3213, 0.4224



20.8159, 0.2422, 0.3498



20.8159, 0.2964, 0.2535



20.8159, 0.3859, 0.3048

Sweetspot

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



20.8168, 0.3213, 0.4224



41.2933, 0.3156, 0.3540



19.9715, 0.3686, 0.3906



9.5086, 0.3159, 0.3572



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8168, 0.3213, 0.4224



36.2122, 0.3225, 0.4471



20.3666, 0.2981, 0.4028



5.2592, 0.3153, 0.3512



16.3182, 0.3127, 0.5900



0.0597, 0.3421, 0.5666

Inverse Universe

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



13.1009, 0.2994, 0.2434



20.1738, 0.2952, 0.2232



13.7550, 0.3319, 0.2651



4.7033, 0.3099, 0.3073



4.1041, 0.2575, 0.1192



0.0177, 0.2889, 0.1365

Previews

White Background



This preview shows how the Yxy color 20.8159, 0.3213, 0.4224 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 20.8159, 0.3213, 0.4224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

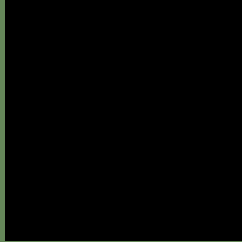
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8159, 0.3213, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 20.8159, 0.3213, 0.4224.



This preview shows how white text looks on a background with the Yxy color 20.8159, 0.3213, 0.4224.

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

20.8159, 0.3213, 0.4224

Protanopia

20.5573, 0.3733, 0.4012

Deuteranopia

20.5015, 0.3839, 0.3772



Tritanopia

20.8158, 0.2805, 0.3103

Trichromacy



Original Color

20.8159, 0.3213, 0.4224

Protanomaly

20.5834, 0.3531, 0.4106

Deuteranomaly

20.2479, 0.3597, 0.3920

Tritanomaly

20.6772, 0.2951, 0.3484

Monochromacy



Original Color

20.8159, 0.3213, 0.4224

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2821, 0.3161, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8159, 0.3213, 0.4224 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(101, 135, 89)` looks like.

```
.text, #text, p{  
    color:rgb(101, 135, 89)  
}
```

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(101, 135, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 135, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.8159, 0.3213, 0.4224 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(101, 135, 89) }
```

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

```
.border{ border-color:rgb(101, 135, 89) }
```

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

Here you see how a box with a 4 pixel rgb(101, 135, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 135, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 135, 89);  
box-shadow:4px 4px 4px 4px rgb(101, 135,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8159, 0.3213, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 135, 89) }
```

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

```
.background{ background-color: rgb(101,  
135, 89) }
```

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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