

Converting Colors

$Y_{xy}(20.1550, 0.3269, 0.3522)$

Have a look what the booklet for
Yxy(20.1550, 0.3269, 0.3522)
contains.

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Color

Yxy(20.1971, 0.3275, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	7D7D70
RGB	125, 125, 112
RGB Percent	49%, 49%, 44%
CMY	0.5097, 0.5098, 0.5608
CMYK	0.00, 0.00, 0.10, 0.51
HSL	60°, 5%, 46%
HSV	60°, 10%, 49%
XYZ	18.7169, 20.1971, 18.2368
YIQ	123.5180, 4.1730, -4.0430

Conversions

Conversions Part 2

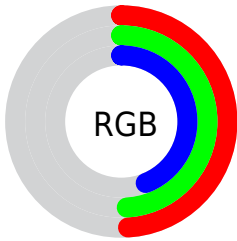
Format	Color
RYB	112, 125, 112
Decimal	8224112
CIELab	52.06, -2.46, 7.10
CIELCh	52, 7.514, 109.150
Yxy	20.1971, 0.3275, 0.3534
Android (android.graphics.Color)	4286414192 (0xFF7D7D70)
YUV	123.5180, -5.6784, 1.2997
Hunter-Lab	44.9412, -4.3062, 7.3993

Details

The Yxy color **20.1971, 0.3275, 0.3534** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5142, 0.2972, 0.3034**, and the grayscale version is **20.0065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9861, 0.3242, 0.3479**, and **7.0755, 0.3339, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **19.9342, 0.3420, 0.3774**, and if you desaturate by 10%, it is **20.5004, 0.3133, 0.3300**.

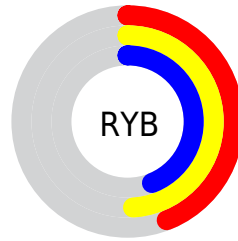
Distribution



Red (49%)

Green (49%)

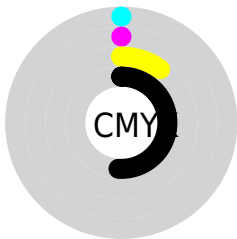
Blue (44%)



Red (44%)

Yellow (49%)

Blue (44%)

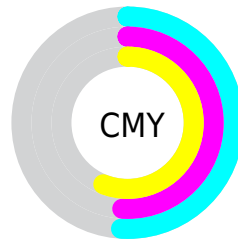


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1971, 0.3275, 0.3534 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 20.1971, 0.3275, 0.3534 by changing the saturation by 10% instead.

■ 20.1971, 0.3275,
0.3534

■ 20.1971, 0.3275,
0.3534

■ 252.9801, 0.3191,
0.3394

■ 12.5384, 0.3300,
0.3577

■ 43.7474, 0.3242,
0.3478

■ 7.1115, 0.3335,
0.3637

■ 60.4078, 0.3230,
0.3459

■ 3.5319, 0.3388,
0.3731

■ 80.8375, 0.3221,
0.3443

■ 1.4153, 0.3477,
0.3891

■ 105.4210, 0.3213,
0.3430

■ 0.2280, 0.4071,
0.5929

■ 134.5426, 0.3206,
0.3419

■ 0.0000, 0.0000,
0.0000

168.5867, 0.3201,

0.3409

207.9378, 0.3196,
0.3401

■ 20.1971, 0.3275,
0.3534

■ 20.1971, 0.3275,
0.3534

■ 19.9342, 0.3420,
0.3774

■ 20.5004, 0.3133,
0.3300

■ 19.7076, 0.3565,
0.4013

■ 20.8430, 0.2997,
0.3076

■ 19.5163, 0.3705,
0.4244

■ 21.2272, 0.2869,
0.2864

■ 19.3586, 0.3835,
0.4458

■ 21.6543, 0.2751,
0.2668

■ 19.2325, 0.3950,
0.4647

■ 22.1256, 0.2641,
0.2487

■ 19.1357, 0.4044,
0.4803

■ 22.6423, 0.2541,
0.2322

■ 19.0659, 0.4116,
0.4921

■ 23.2057, 0.2450,
0.2172

■ 19.0201, 0.4164,
0.4999

■ 23.8168, 0.2368,
0.2037

■ 18.9894, 0.4196,
0.5051

■ 24.4768, 0.2294,
0.1914

Harmonies

Analogous

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



20.1971, 0.3371, 0.3496



20.1971, 0.3275, 0.3534



20.1971, 0.3141, 0.3504

Triad

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



20.1971, 0.3275, 0.3534



20.1971, 0.2861, 0.3166



20.1971, 0.3248, 0.3172

Complementary

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



20.1971, 0.3275, 0.3534



16.5142, 0.2972, 0.3034

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.



20.1971, 0.3109, 0.3088



20.1971, 0.3275, 0.3534



20.1971, 0.2888, 0.3082

Square

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



20.1971, 0.3275, 0.3534



20.1971, 0.2903, 0.3287



20.1971, 0.2978, 0.3055



20.1971, 0.3356, 0.3286

Rectangle

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



20.1971, 0.3275, 0.3534



20.1971, 0.3048, 0.3448



20.1971, 0.2978, 0.3055



20.1971, 0.3203, 0.3139

Sweetspot

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



20.1980, 0.3275, 0.3534



36.5498, 0.3170, 0.3361



17.1210, 0.3299, 0.3286



8.3046, 0.3180, 0.3378



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



20.1980, 0.3275, 0.3534



36.0153, 0.3317, 0.3603



19.7433, 0.3197, 0.3540



5.0185, 0.3256, 0.3503



19.8132, 0.4196, 0.5051



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5142, 0.2972, 0.3034



27.7508, 0.2925, 0.2957



16.9379, 0.3052, 0.3040



4.2126, 0.2993, 0.3068



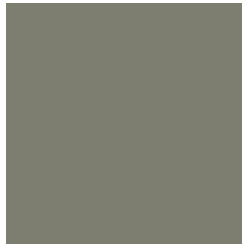
1.5492, 0.1501, 0.0601



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.1971, 0.3275, 0.3534 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 20.1971, 0.3275, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

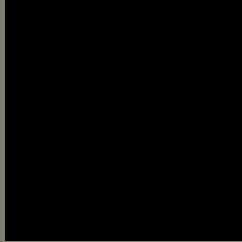
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

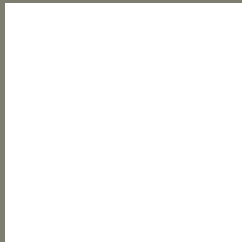
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1971, 0.3275, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 20.1971, 0.3275, 0.3534.



This preview shows how white text looks on a background with the Yxy color 20.1971, 0.3275, 0.3534.

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

20.1971, 0.3275, 0.3534

Protanopia

20.2301, 0.3339, 0.3531

Deuteranopia

20.2006, 0.3468, 0.3415



Tritanopia

20.1742, 0.3087, 0.3110

Trichromacy



Original Color

20.1971, 0.3275, 0.3534

Protanomaly

20.1522, 0.3326, 0.3532

Deuteranomaly

20.2622, 0.3397, 0.3453

Tritanomaly

20.1586, 0.3153, 0.3254

Monochromacy



Original Color

20.1971, 0.3275, 0.3534

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.0565, 0.3172, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1971, 0.3275, 0.3534 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(125, 125, 112)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 112)  
}
```

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(125, 125, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.1971, 0.3275, 0.3534 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(125, 125, 112) }
```

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

```
.border{ border-color:rgb(125, 125, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 125, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 125, 112); box-shadow:4px 4px 4px 4px rgb(125, 125, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1971, 0.3275, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 112) }
```

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

```
.background{ background-color: rgb(125,  
125, 112) }
```

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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