Converting Colors

Yxy(34.8414, 0.3127, 0.3290)

Have a look what the booklet for Yxy(34.8414, 0.3127, 0.3290) contains.

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Color

Yxy(34.6704, 0.3127, 0.3290)

Conversions

Format	Color
Hex	9F9F9F
RGB	159, 159, 159
RGB Percent	62%, 62%, 62%
CMY	0.3765, 0.3764, 0.3764
CMYK	0.00, 0.00, 0.00, 0.38
HSL	174°, 0%, 62%
HSV	174°, 0%, 62%
XYZ	32.9527, 34.6704, 37.7581
YIQ	159.0000, -0.0000, 0.0000

Conversions Part 1

Conversions

Conversions Part 2

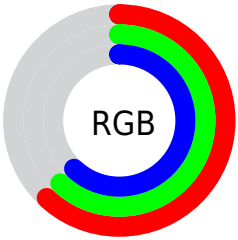
Format	Color
RYB	159, 159, 159
Decimal	10461087
CIELab	65.49, -0.00, -0.01
CIELCh	65, 0.010, 259.964
Yxy	34.6704, 0.3127, 0.3290
Android (android.graphics.Color)	4288651167 (0xFF9F9F9F)
YUV	159.0000, 0.0000, 0.0000
Hunter-Lab	58.8816, -3.1464, 3.1971

Details

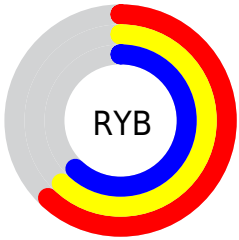
The Yxy color 34.6704, 0.3127, 0.3290 is a light color, and the websafe version is hex 999999. A complement of this color would be 34.6669, 0.3127, 0.3290, and the grayscale version is 34.6711, 0.3127, 0.3290.

A 20% lighter version of the original color is 67.2443, 0.3127, 0.3290, and 14.9960, 0.3127, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 33.0966, 0.2990, 0.3313, and if you desaturate by 10%, it is 36.4569, 0.3268, 0.3269.

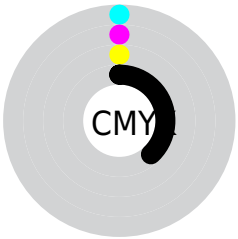
Distribution



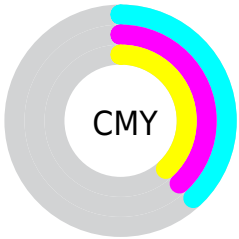
- Red (62%)
- Green (62%)
- Blue (62%)



- Red (62%)
- Yellow (62%)
- Blue (62%)



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



- Cyan (38%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6704, 0.3127, 0.3290 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 34.6704, 0.3127, 0.3290 by changing the saturation by 10% instead.

34.6704, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

323.1111, 0.3127, 0.3290

23.4091, 0.3127, 0.3290

66.9748, 0.3127, 0.3290

14.8959, 0.3127, 0.3290

88.7868, 0.3127, 0.3290

8.7463, 0.3127, 0.3290

114.8844, 0.3127, 0.3290

4.5761, 0.3127, 0.3290

145.6520, 0.3127, 0.3290

2.0008, 0.3127, 0.3290

181.4741, 0.3127, 0.3290

0.6079, 0.3126, 0.3289

222.7351, 0.3127,

0.0000, 0.0000,

0.3290

0.0000

269.8193, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

33.0966, 0.2990, 0.3313

36.4569, 0.3268, 0.3269

31.7232, 0.2860, 0.3339

38.4593, 0.3411, 0.3250

30.5433, 0.2740, 0.3366

40.6860, 0.3553, 0.3233

29.5477, 0.2631, 0.3396

43.1439, 0.3694, 0.3219

28.7269, 0.2538, 0.3426

45.8395, 0.3831, 0.3206

28.0701, 0.2461, 0.3458

48.7791, 0.3963, 0.3195

27.5657, 0.2402, 0.3490

48.9517, 0.3953, 0.3179

27.2002, 0.2361, 0.3523

49.0101, 0.3938, 0.3163

26.9579, 0.2339, 0.3555

49.0691, 0.3923, 0.3147

Harmonies

Triad

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

34.6704, 0.3127, 0.3290

34.6704, 0.3128, 0.3290

34.6704, 0.3127, 0.3290

Complementary

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

34.6704, 0.3127, 0.3290

34.6669, 0.3127, 0.3290

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.

34.6704, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

34.6704, 0.3128, 0.3290

Square

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

34.6704, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

34.6704, 0.3128, 0.3290

34.6704, 0.3127, 0.3290

Rectangle

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

34.6704, 0.3127, 0.3290

34.6704, 0.3127, 0.3290

34.6704, 0.3128, 0.3290

34.6704, 0.3127, 0.3290

Sweetspot

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

34.6719, 0.3127, 0.3290

62.0916, 0.3127, 0.3290

34.6715, 0.3127, 0.3290

13.9985, 0.3127, 0.3290

80.7346, 0.3127, 0.3290

Same Dimension

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

34.6719, 0.3127, 0.3290

62.0916, 0.3127, 0.3290

34.6694, 0.3127, 0.3290

7.8288, 0.3127, 0.3290

21.1702, 0.2329, 0.3585

0.3814, 0.2293, 0.3455

Inverse Universe

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

34.6669, 0.3127, 0.3290

62.0916, 0.3127, 0.3290

34.6694, 0.3127, 0.3290

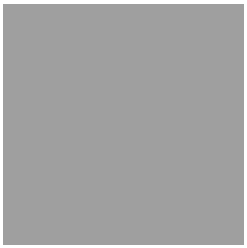
7.8288, 0.3127, 0.3290

5.8529, 0.6261, 0.3223

0.1073, 0.5685, 0.2905

Previews

White Background

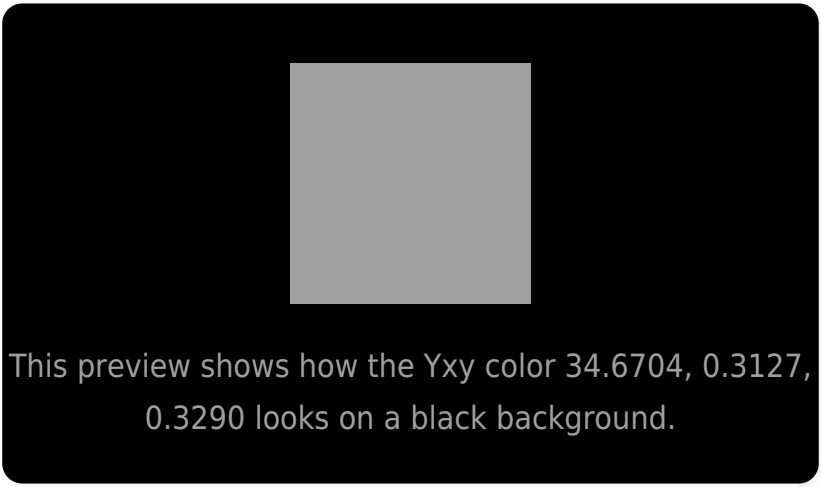


This preview shows how the Yxy color 34.6704, 0.3127, 0.3290 looks on a white background.

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



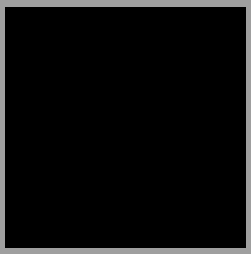
This preview shows how the Yxy color 34.6704, 0.3127, 0.3290 looks on a black background.

Color Contrast Check

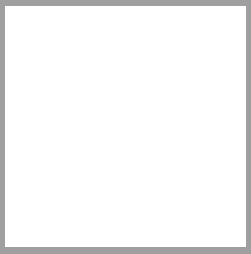
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 34.6704, 0.3127, 0.3290 Background



This preview shows how black text looks on a background with the Yxy color 34.6704, 0.3127, 0.3290.



This preview shows how white text looks on a background with the Yxy color 34.6704, 0.3127, 0.3290.

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

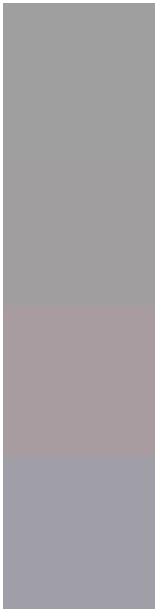
Original Color
34.6704, 0.3127, 0.3290

Protanopia
34.6383, 0.3157, 0.3275

Deuteranopia
34.6479, 0.3271, 0.3206

Tritanopia
34.5933, 0.3050, 0.3102

Trichromacy



Original Color
34.6704, 0.3127, 0.3290

Protanomaly
34.5340, 0.3147, 0.3275

Deuteranomaly
34.7500, 0.3219, 0.3233

Tritanomaly
34.6805, 0.3075, 0.3173

Monochromacy

Original Color
34.6704, 0.3127, 0.3290

Achromatopsia
34.6704, 0.3127, 0.3290

Achromatomaly
34.6704, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6704, 0.3127, 0.3290 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(159, 159, 159) looks like.

```
.text, #text, p{
    color:rgb(159, 159, 159)
}
```

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(159, 159, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 159) }
```

Border

The CSS property to change the border of an element to Yxy 34.6704, 0.3127, 0.3290 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(159, 159, 159) }
```

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

```
.border{ border-color:rgb(159, 159, 159) }
```

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

Here you see how a box with a 4 pixel rgb(159, 159, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 159, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 159, 159); box-shadow:4px 4px 4px 4px rgb(159, 159, 159) }
```

Background

The CSS property to change the background color of an element to Yxy 34.6704, 0.3127, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(159, 159, 159) }
```

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

```
.background{ background-color:rgb(159,
159, 159) }
```

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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