

Converting Colors

$Yxy(31.6077, 0.3187, 0.2023)$

Have a look what the booklet for
Yxy(31.6077, 0.3187, 0.2023)
contains.

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Color

Yxy(31.5469, 0.3187, 0.2023)

Conversions

Conversions Part 1

Format	Color
Hex	E169E1
RGB	225, 105, 225
RGB Percent	88%, 41%, 88%
CMY	0.1175, 0.5883, 0.1177
CMYK	0.00, 0.53, 0.00, 0.12
HSL	300°, 67%, 65%
HSV	300°, 53%, 88%
XYZ	49.6985, 31.5469, 74.6958
YIQ	154.5600, 33.0000, 62.7600

Conversions

Conversions Part 2

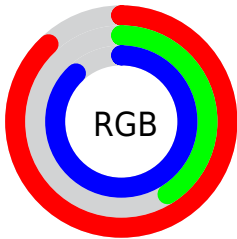
Format	Color
R _Y B	225, 105, 225
Decimal	14772705
CIE Lab	62.97, 62.44, -40.24
CIE LCh	63, 74.285, 327.199
Yxy	31.5469, 0.3187, 0.2023
Android (android.graphics.Color)	4292962785 (0xFFE169E1)
YUV	154.5600, 34.7269, 61.7759
Hunter-Lab	56.1666, 59.6523, -39.5329

Details

The Yxy color **31.5469, 0.3187, 0.2023** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.8887, 0.3047, 0.4996**, and the grayscale version is **32.4066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **13.1131, 0.3172, 0.1725** is the 20% darker color. If you saturate the color by 10%, you get **27.5553, 0.3195, 0.1846**, and if you desaturate by 10%, it is **36.7538, 0.3177, 0.2233**.

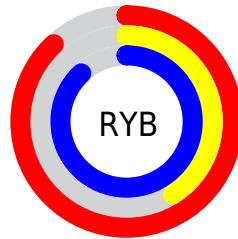
Distribution



Red (88%)

Green (41%)

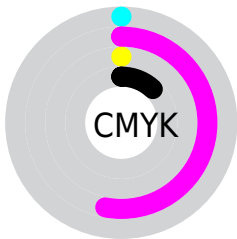
Blue (88%)



Red (88%)

Yellow (41%)

Blue (88%)

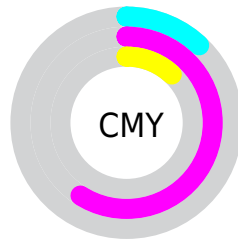


Cyan (0%)

Magenta (53%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (59%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5469, 0.3187, 0.2023 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 31.5469, 0.3187, 0.2023 by changing the saturation by 10% instead.


 31.5469, 0.3187,
0.2023


 31.5469, 0.3187,
0.2023


309.0500, 0.3183,
0.2617


 21.0157, 0.3181,
0.1889


 62.1001, 0.3191,
0.2229

 13.1354, 0.3168,
0.1725


 82.8908, 0.3191,
0.2309

 7.5219, 0.3146,
0.1521


 107.8702, 0.3190,
0.2378

 3.7906, 0.3104,
0.1265

 137.4225, 0.3189,
0.2438

 1.5571, 0.3021,
0.0942

171.9323, 0.3188,
0.2491

 0.3284, 0.2889,
0.0416

211.7839, 0.3186,

 0.0000, 0.2500,

0.2538

0.0000

257.3617, 0.3185,
0.2579

0.0000, 0.0000,
0.0000

31.5469, 0.3187,
0.2023

31.5469, 0.3187,
0.2023

27.5553, 0.3195,
0.1846

36.7538, 0.3177,
0.2233

24.6768, 0.3202,
0.1708

43.2590, 0.3166,
0.2465

22.7997, 0.3207,
0.1613

51.1431, 0.3154,
0.2711

21.7871, 0.3209,
0.1560

60.4789, 0.3143,
0.2962

21.4459, 0.3210,
0.1542

71.3344, 0.3131,
0.3209

■ 83.7728, 0.3120,
0.3447

■ 92.9705, 0.3113,
0.3599

■ 92.9709, 0.3113,
0.3598

■ 92.9713, 0.3113,
0.3598

Harmonies

Analogous

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



31.5469, 0.2168, 0.1715



31.5469, 0.3187, 0.2023



31.5469, 0.4408, 0.2567

Triad

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



31.5469, 0.3187, 0.2023



31.5469, 0.4709, 0.4799



31.5469, 0.1374, 0.2762

Complementary

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



31.5469, 0.3187, 0.2023



57.8887, 0.3047, 0.4996

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.



31.5469, 0.1849, 0.4067



31.5469, 0.3187, 0.2023



31.5469, 0.3765, 0.5429

Square

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



31.5469, 0.3187, 0.2023



31.5469, 0.5312, 0.3997



31.5469, 0.2726, 0.5268



31.5469, 0.1295, 0.1988

Rectangle

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



31.5469, 0.3187, 0.2023



31.5469, 0.5053, 0.3012



31.5469, 0.2726, 0.5268



31.5469, 0.1484, 0.3148

Sweetspot

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



31.5483, 0.3187, 0.2023



76.6736, 0.3146, 0.2893



18.5408, 0.2099, 0.1591



15.8510, 0.3148, 0.2841



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.5483, 0.3187, 0.2023



36.0963, 0.3196, 0.1829



28.8296, 0.3878, 0.2606



13.9356, 0.3138, 0.3059



12.3546, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Inverse Universe

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



31.5483, 0.3187, 0.2023



36.0963, 0.3196, 0.1829



59.5851, 0.2744, 0.4133



13.9356, 0.3138, 0.3059



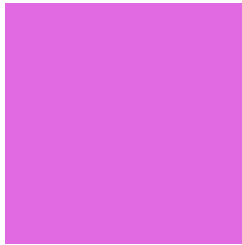
12.3546, 0.3210, 0.1542



0.8564, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 31.5469, 0.3187, 0.2023 looks on a white background.

Color Contrast Check

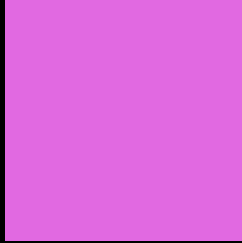
Large Text (above 18pt) WCAG AA × Fail

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 31.5469, 0.3187, 0.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

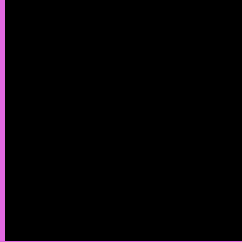
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5469, 0.3187, 0.2023

Background



This preview shows how black text looks on a background with the Yxy color 31.5469, 0.3187, 0.2023.

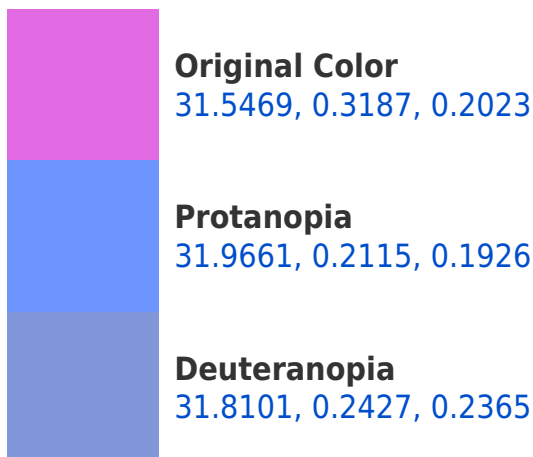


This preview shows how white text looks on a background with the Yxy color 31.5469, 0.3187, 0.2023.

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





Tritanopia

31.2810, 0.4035, 0.3169

Trichromacy



Original Color

31.5469, 0.3187, 0.2023



Protanomaly

29.8860, 0.2391, 0.1907



Deuteranomaly

30.1100, 0.2655, 0.2175



Tritanomaly

30.9637, 0.3714, 0.2695

Monochromacy



Original Color

31.5469, 0.3187, 0.2023



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

30.8899, 0.3155, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5469, 0.3187, 0.2023 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(225, 105, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 105, 225)  
}
```

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(225, 105, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 105, 225) }
```

Border

The CSS property to change the border of an element to Yxy 31.5469, 0.3187, 0.2023 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(225, 105, 225) }
```

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

```
.border{ border-color:rgb(225, 105, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 105, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 105, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 105, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 105,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5469, 0.3187, 0.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 105, 225) }
```

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

```
.background{ background-color: rgb(225,  
105, 225) }
```

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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