

Converting Colors

$Y_{xy}(28.2227, 0.4260, 0.3681)$

Have a look what the booklet for
Yxy(28.2227, 0.4260, 0.3681)
contains.

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Color

Yxy(28.2227, 0.4260, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	C38164
RGB	195, 129, 100
RGB Percent	76%, 51%, 39%
CMY	0.2352, 0.4942, 0.6078
CMYK	0.00, 0.34, 0.49, 0.24
HSL	18°, 44%, 58%
HSV	18°, 49%, 76%
XYZ	32.6620, 28.2227, 15.7866
YIQ	145.4280, 48.6450, 4.9730

Conversions

Conversions Part 2

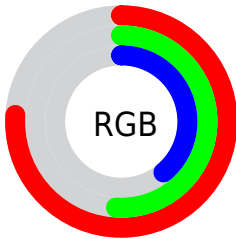
Format	Color
RYB	195, 142, 100
Decimal	12812644
CIELab	60.09, 22.25, 26.12
CIElCh	60, 34.309, 49.579
Yxy	28.2227, 0.4260, 0.3681
Android (android.graphics.Color)	4291002724 (0xFFC38164)
YUV	145.4280, -22.3960, 43.4746
Hunter-Lab	53.1250, 16.7753, 19.5689

Details

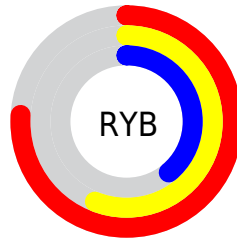
The Yxy color **28.2227, 0.4260, 0.3681** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **33.9434, 0.2409, 0.2843**, and the grayscale version is **28.5781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7611, 0.4028, 0.3619**, and **11.2523, 0.4643, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **24.5534, 0.4601, 0.3746**, and if you desaturate by 10%, it is **32.4589, 0.3955, 0.3603**.

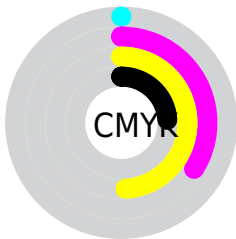
Distribution



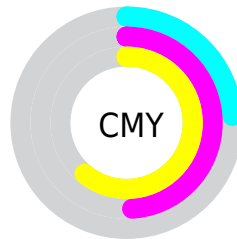
- Red (76%)
- Green (51%)
- Blue (39%)



- Red (76%)
- Yellow (56%)
- Blue (39%)



- Cyan (0%)
- Magenta (34%)
- Yellow (49%)
- Black (24%)





- Cyan (24%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2227, 0.4260, 0.3681 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 28.2227, 0.4260, 0.3681 by changing the saturation by 10% instead.


 28.2227, 0.4260,
0.3681


 28.2227, 0.4260,
0.3681


293.5295, 0.3644,
0.3498


 18.4936, 0.4428,
0.3718


 56.8398, 0.4025,
0.3620


 11.3049, 0.4651,
0.3758


 76.4966, 0.3940,
0.3595

 6.2723, 0.4957,
0.3793


 100.2314, 0.3869,
0.3573

 3.0114, 0.5423,
0.3821

 128.4286, 0.3810,
0.3554

 1.1377, 0.6203,
0.3797

161.4726, 0.3759,
0.3537

 0.0099, 0.9824,
0.0176

199.7479, 0.3716,

 0.0000, 0.0000,

0.3523

0.0000

243.6387, 0.3678,
0.3509

■ 28.2227, 0.4260,
0.3681

■ 28.2227, 0.4260,
0.3681

■ 24.5534, 0.4601,
0.3746

■ 32.4589, 0.3955,
0.3603

■ 21.4219, 0.4965,
0.3786

■ 37.2812, 0.3689,
0.3519

■ 18.8022, 0.5328,
0.3789

■ 42.7132, 0.3462,
0.3436

■ 16.6645, 0.5657,
0.3747

■ 48.7754, 0.3270,
0.3356


■ 14.9715, 0.5924,
0.3664


■ 55.4879, 0.3108,
0.3281

 14.7826, 0.5956,
0.3653

 62.8695, 0.2971,
0.3211

 70.9384, 0.2856,
0.3148

 79.6449, 0.2763,
0.3101

 87.8125, 0.2775,
0.3247

Harmonies

Analogous

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



28.2227, 0.4082, 0.3239



28.2227, 0.4260, 0.3681



28.2227, 0.4101, 0.4079

Triad

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



28.2227, 0.4260, 0.3681



28.2227, 0.2612, 0.3806



28.2227, 0.2532, 0.2403

Complementary

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



28.2227, 0.4260, 0.3681



33.9434, 0.2409, 0.2843

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.



28.2227, 0.2210, 0.2462



28.2227, 0.4260, 0.3681



28.2227, 0.2248, 0.3229

Square

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



28.2227, 0.4260, 0.3681



28.2227, 0.3134, 0.4229



28.2227, 0.2111, 0.2742



28.2227, 0.3037, 0.2539

Rectangle

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



28.2227, 0.4260, 0.3681



28.2227, 0.3842, 0.4261



28.2227, 0.2111, 0.2742



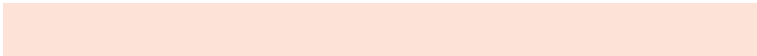
28.2227, 0.2402, 0.2399

Sweetspot

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



28.2241, 0.4260, 0.3681



80.1280, 0.3392, 0.3407



23.4957, 0.3521, 0.2433



17.0502, 0.3435, 0.3425



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.



28.2241, 0.4260, 0.3681



43.8513, 0.4607, 0.3747



43.5865, 0.3945, 0.4262



10.5677, 0.3281, 0.3361



9.7366, 0.5931, 0.3672



0.5453, 0.5482, 0.4030

Inverse Universe

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



33.9434, 0.2409, 0.2843



55.1363, 0.2283, 0.2731



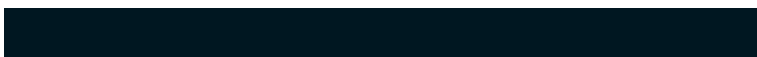
19.8498, 0.2264, 0.2070



10.8932, 0.2984, 0.3218



14.0742, 0.1965, 0.2275



0.7251, 0.2036, 0.2528

Previews

White Background



This preview shows how the Yxy color 28.2227, 0.4260, 0.3681 looks on a white background.

Color Contrast Check

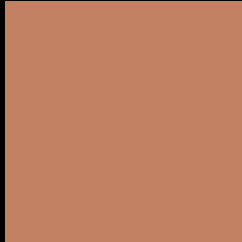
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2227, 0.4260, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

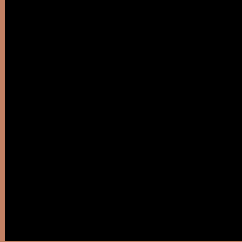
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2227, 0.4260, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 28.2227, 0.4260, 0.3681.



This preview shows how white text looks on a background with the Yxy color 28.2227, 0.4260, 0.3681.

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

28.2227, 0.4260, 0.3681

Protanopia

28.3803, 0.3636, 0.3895

Deuteranopia

28.3458, 0.3972, 0.3897



Tritanopia

28.1423, 0.3906, 0.3159

Trichromacy



Original Color

28.2227, 0.4260, 0.3681

Protanomaly

28.0108, 0.3860, 0.3820

Deuteranomaly

28.1739, 0.4080, 0.3806

Tritanomaly

28.1972, 0.4035, 0.3346

Monochromacy



Original Color

28.2227, 0.4260, 0.3681

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.8367, 0.3503, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2227, 0.4260, 0.3681 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(195, 129, 100)` looks like.

```
.text, #text, p{  
    color:rgb(195, 129, 100)  
}
```

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(195, 129, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 129, 100) }
```

Border

The CSS property to change the border of an element to Yxy 28.2227, 0.4260, 0.3681 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(195, 129, 100) }
```

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

```
.border{ border-color:rgb(195, 129, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 129, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 129, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 129, 100);  
box-shadow:4px 4px 4px 4px rgb(195, 129,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2227, 0.4260, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 129, 100) }
```

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

```
.background{ background-color: rgb(195,  
129, 100) }
```

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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