

Converting Colors

$Yxy(28.0149, 0.2723, 0.4523)$

Have a look what the booklet for
Yxy(28.0149, 0.2723, 0.4523)
contains.

Yxy(28.1632, 0.2723, 0.4527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1632, 0.2723, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	31A466
RGB	49, 164, 102
RGB Percent	19%, 64%, 40%
CMY	0.8078, 0.3569, 0.6001
CMYK	0.70, 0.00, 0.38, 0.36
HSL	148°, 54%, 42%
HSV	148°, 70%, 64%
XYZ	16.9402, 28.1632, 17.1082
YIQ	122.5470, -48.6380, -43.6620

Conversions

Conversions Part 2

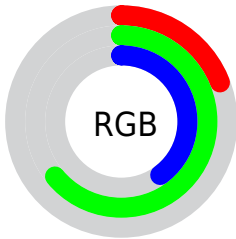
Format	Color
R_{YB}	49, 128, 164
Decimal	3253350
CIE _{Lab}	60.04, -46.36, 23.17
CIE _{LCh}	60, 51.828, 153.440
Yxy	28.1632, 0.2723, 0.4527
Android (android.graphics.Color)	4281443430 (0xFF31A466)
YUV	122.5470, -10.1297, -64.5007
Hunter-Lab	53.0690, -35.8916, 18.0346

Details

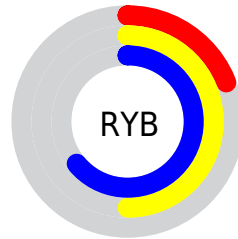
The Yxy color **28.1632, 0.2723, 0.4527** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.2399, 0.4126, 0.2405**, and the grayscale version is **19.6982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8013, 0.2826, 0.4249**, and **11.6352, 0.2715, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **27.6617, 0.2717, 0.4735**, and if you desaturate by 10%, it is **28.8341, 0.2747, 0.4319**.

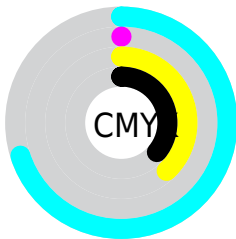
Distribution



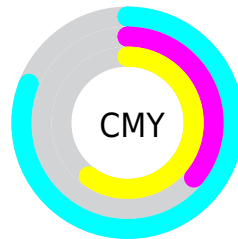
- Red (19%)
- Green (64%)
- Blue (40%)



- Red (19%)
- Yellow (50%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (38%)
- Black (36%)





- Cyan (81%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1632, 0.2723, 0.4527 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 28.1632, 0.2723, 0.4527 by changing the saturation by 10% instead.


 28.1632, 0.2723,
0.4527


 28.1632, 0.2723,
0.4527


293.2459, 0.2964,
0.3813


 18.4487, 0.2646,
0.4744


 56.7449, 0.2822,
0.4240


 11.2726, 0.2533,
0.5051


 76.3809, 0.2856,
0.4141

 6.2505, 0.2358,
0.5512


 100.0929, 0.2883,
0.4061

 2.9980, 0.2060,
0.6276

 128.2652, 0.2905,
0.3994

 1.1307, 0.0000,
1.0000

 161.2823, 0.2924,
0.3938

 0.0040, 0.0000,
1.0000

199.5285, 0.2939,

 0.0000, 0.0000,

0.3890

0.0000

243.3882, 0.2953,
0.3849

■ 28.1632, 0.2723,
0.4527

■ 28.1632, 0.2723,
0.4527

■ 27.6617, 0.2717,
0.4735

■ 28.8341, 0.2747,
0.4319

■ 27.3086, 0.2730,
0.4935

■ 29.6859, 0.2788,
0.4115

■ 27.0673, 0.2756,
0.5122

■ 30.7332, 0.2842,
0.3922

■ 31.9879, 0.2905,
0.3741

■ 33.4610, 0.2976,
0.3576

■ 35.1627, 0.3050,
0.3426

■ 37.1026, 0.3126,
0.3291

■ 39.2896, 0.3203,
0.3172

■ 41.7324, 0.3278,
0.3067

Harmonies

Analogous

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



28.1632, 0.3526, 0.4877



28.1632, 0.2723, 0.4527



28.1632, 0.2075, 0.3655

Triad

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



28.1632, 0.2723, 0.4527



28.1632, 0.1983, 0.2028



28.1632, 0.4754, 0.3449

Complementary

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



28.1632, 0.2723, 0.4527



11.2399, 0.4126, 0.2405

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.



28.1632, 0.4229, 0.2867



28.1632, 0.2723, 0.4527



28.1632, 0.2554, 0.2091

Square

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



28.1632, 0.2723, 0.4527



28.1632, 0.1709, 0.2240



28.1632, 0.3375, 0.2388



28.1632, 0.4741, 0.4064

Rectangle

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



28.1632, 0.2723, 0.4527



28.1632, 0.1810, 0.3047



28.1632, 0.3375, 0.2388



28.1632, 0.4635, 0.3248

Sweetspot

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



28.1643, 0.2723, 0.4527



60.3685, 0.2966, 0.3596



30.2357, 0.3516, 0.5174



13.0402, 0.2948, 0.3638



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.1643, 0.2723, 0.4527



49.8269, 0.2722, 0.4846



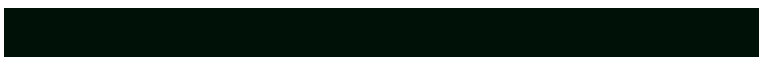
29.6828, 0.2369, 0.3392



7.9468, 0.3056, 0.3414



20.7625, 0.2751, 0.5105



0.4458, 0.2556, 0.4400

Inverse Universe

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



11.2399, 0.4126, 0.2405



17.1335, 0.4462, 0.2353



10.3649, 0.5318, 0.3225



7.1469, 0.3205, 0.3169



6.6074, 0.4756, 0.2394



0.1483, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 28.1632, 0.2723, 0.4527 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 28.1632, 0.2723, 0.4527 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 28.1632, 0.2723, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 28.1632, 0.2723, 0.4527.



This preview shows how white text looks on a background with the Yxy color 28.1632, 0.2723, 0.4527.

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

28.1632, 0.2723, 0.4527

Protanopia

27.8226, 0.3773, 0.4084

Deuteranopia

27.6947, 0.3810, 0.3748



Tritanopia

28.0974, 0.2383, 0.3061

Trichromacy



Original Color

28.1632, 0.2723, 0.4527



Protanomaly

26.7782, 0.3277, 0.4269



Deuteranomaly

26.2680, 0.3290, 0.4021



Tritanomaly

27.9644, 0.2499, 0.3549

Monochromacy



Original Color

28.1632, 0.2723, 0.4527



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

21.9016, 0.2909, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1632, 0.2723, 0.4527 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(49, 164, 102)` looks like.

```
.text, #text, p{  
    color:rgb(49, 164, 102)  
}
```

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(49, 164, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 164, 102) }
```

Border

The CSS property to change the border of an element to Yxy 28.1632, 0.2723, 0.4527 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(49, 164, 102) }
```

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

```
.border{ border-color:rgb(49, 164, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 164, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 164, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 164, 102);  
box-shadow:4px 4px 4px 4px rgb(49, 164,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1632, 0.2723, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 164, 102) }
```

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

```
.background{ background-color: rgb(49, 164,  
102) }
```

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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