

Converting Colors

$Y_{xy}(36.7204, 0.2455, 0.3905)$

Have a look what the booklet for
Yxy(36.7204, 0.2455, 0.3905)
contains.

Yxy(36.7269, 0.2454, 0.3902)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.7269, 0.2454, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	1EB895
RGB	30, 184, 149
RGB Percent	12%, 72%, 58%
CMY	0.8826, 0.2784, 0.4157
CMYK	0.84, 0.00, 0.19, 0.28
HSL	166°, 72%, 42%
HSV	166°, 84%, 72%
XYZ	23.0979, 36.7269, 34.2985
YIQ	133.9640, -80.5490, -43.5330

Conversions

Conversions Part 2

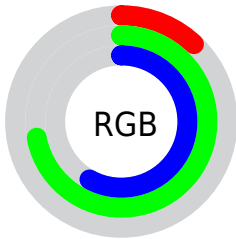
Format	Color
R_{YB}	30, 117, 184
Decimal	2013333
CIE _{Lab}	67.07, -46.05, 7.14
CIE _{LCh}	67, 46.599, 171.181
Yxy	36.7269, 0.2454, 0.3902
Android (android.graphics.Color)	4280203413 (0xFF1EB895)
YUV	133.9640, 7.4127, -91.1764
Hunter-Lab	60.6027, -38.0221, 8.8663

Details

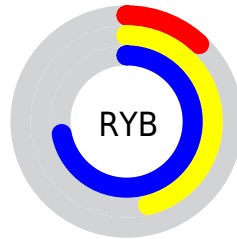
The Yxy color **36.7269, 0.2454, 0.3902** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.4971, 0.5463, 0.2965**, and the grayscale version is **23.8129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2256, 0.2587, 0.3779**, and **16.8471, 0.2466, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **36.3970, 0.2451, 0.3985**, and if you desaturate by 10%, it is **37.2258, 0.2476, 0.3818**.

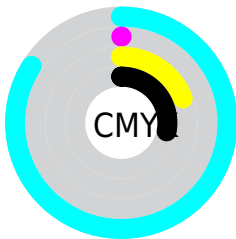
Distribution



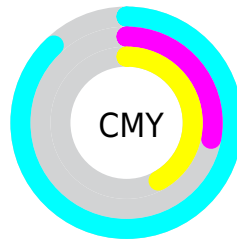
- Red (12%)
- Green (72%)
- Blue (58%)



- Red (12%)
- Yellow (46%)
- Blue (72%)



- Cyan (84%)
- Magenta (0%)
- Yellow (19%)
- Black (28%)




- Cyan (88%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7269, 0.2454, 0.3902 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 36.7269, 0.2454, 0.3902 by changing the saturation by 10% instead.


 36.7269, 0.2454,
0.3902


 36.7269, 0.2454,
0.3902


332.1266, 0.2806,
0.3575


 24.9961, 0.2361,
0.3991


 70.1526, 0.2586,
0.3778

 16.0742, 0.2239,
0.4111


 92.6162, 0.2634,
0.3733

 9.5766, 0.2072,
0.4278


 119.4263, 0.2675,
0.3695

 5.1192, 0.1830,
0.4529

 150.9672, 0.2709,
0.3663

 2.3174, 0.1437,
0.4954

 187.6232, 0.2738,
0.3636

 0.7829, 0.0000,
0.6893

229.7789, 0.2764,

 0.0000, 0.0000,

0.3613

0.0000

277.8186, 0.2787,
0.3593

■ 36.7269, 0.2454,
0.3902

■ 36.7269, 0.2454,
0.3902

■ 36.3970, 0.2451,
0.3985

■ 37.2258, 0.2476,
0.3818

■ 36.2425, 0.2455,
0.4037

■ 37.9139, 0.2518,
0.3736

■ 38.8133, 0.2578,
0.3655

■ 39.9416, 0.2655,
0.3576

■ 41.3148, 0.2747,
0.3502

■ 42.9472, 0.2851,
0.3433

■ 44.8523, 0.2963,
0.3369

■ 47.0424, 0.3082,
0.3310

■ 49.5290, 0.3204,
0.3258

Harmonies

Analogous

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



36.7269, 0.3080, 0.4466



36.7269, 0.2454, 0.3902



36.7269, 0.2037, 0.3160

Triad

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



36.7269, 0.2454, 0.3902



36.7269, 0.2423, 0.2221



36.7269, 0.4529, 0.3766

Complementary

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



36.7269, 0.2454, 0.3902



11.4971, 0.5463, 0.2965

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.



36.7269, 0.4339, 0.3238



36.7269, 0.2454, 0.3902



36.7269, 0.3045, 0.2398

Square

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



36.7269, 0.2454, 0.3902



36.7269, 0.2030, 0.2269



36.7269, 0.3768, 0.2758



36.7269, 0.4294, 0.4258

Rectangle

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



36.7269, 0.2454, 0.3902



36.7269, 0.1913, 0.2742



36.7269, 0.3768, 0.2758



36.7269, 0.4515, 0.3589

Sweetspot

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



36.7283, 0.2454, 0.3902



77.3153, 0.2832, 0.3444



35.5314, 0.3154, 0.5713



16.4395, 0.2796, 0.3468



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.7283, 0.2454, 0.3902



65.6556, 0.2458, 0.4050



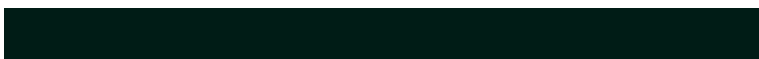
23.3565, 0.2083, 0.2561



10.1748, 0.3015, 0.3342



24.9870, 0.2452, 0.4027



0.8896, 0.2393, 0.3813

Inverse Universe

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



11.4971, 0.5463, 0.2965



18.7437, 0.6035, 0.3098



14.7929, 0.5570, 0.3702



9.0448, 0.3253, 0.3238



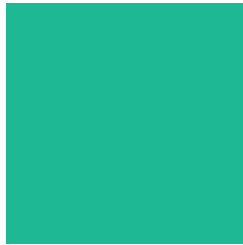
7.1466, 0.5969, 0.3062



0.2616, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 36.7269, 0.2454, 0.3902 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 36.7269, 0.2454, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

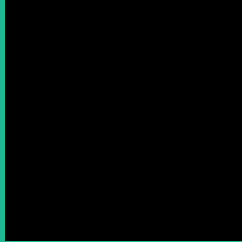
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7269, 0.2454, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 36.7269, 0.2454, 0.3902.



This preview shows how white text looks on a background with the Yxy color 36.7269, 0.2454, 0.3902.

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

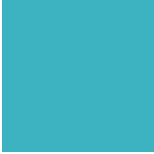
36.7269, 0.2454, 0.3902

Protanopia

36.1929, 0.3433, 0.3653

Deuteranopia

35.8468, 0.3377, 0.3305



Tritanopia

36.6387, 0.2290, 0.3066

Trichromacy



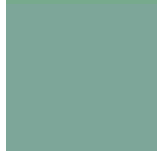
Original Color

36.7269, 0.2454, 0.3902



Protanomaly

34.5945, 0.2917, 0.3766



Deuteranomaly

33.9323, 0.2871, 0.3498



Tritanomaly

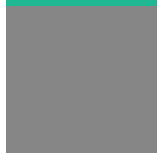
36.4552, 0.2344, 0.3354

Monochromacy



Original Color

36.7269, 0.2454, 0.3902



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.8073, 0.2724, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7269, 0.2454, 0.3902 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(30, 184, 149)` looks like.

```
.text, #text, p{  
    color:rgb(30, 184, 149)  
}
```

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(30, 184, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 184, 149) }
```

Border

The CSS property to change the border of an element to Yxy 36.7269, 0.2454, 0.3902 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(30, 184, 149) }
```

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

```
.border{ border-color:rgb(30, 184, 149) }
```

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

Here you see how a box with a 4 pixel rgb(30, 184, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 184, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 184, 149);  
box-shadow:4px 4px 4px 4px rgb(30, 184,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7269, 0.2454, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 184, 149) }
```

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

```
.background{ background-color: rgb(30, 184,  
149) }
```

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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