

Converting Colors

$Yxy(73.3861, 0.2358, 0.3469)$

Have a look what the booklet for
Yxy(73.3861, 0.2358, 0.3469)
contains.

| | |
|--|----|
| Yxy(73.4289, 0.2356, 0.3463) | 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(73.4289, 0.2356, 0.3463)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 3EF7E9 |
| RGB | 62, 247, 233 |
| RGB Percent | 24%, 97%, 91% |
| CMY | 0.7570, 0.0314, 0.0862 |
| CMYK | 0.75, 0.00, 0.06, 0.03 |
| HSL | 175°, 92%, 61% |
| HSV | 175°, 75%, 97% |
| XYZ | 49.9562, 73.4289, 88.6533 |
| YIQ | 190.0890, -105.7660, -43.5740 |

Conversions

Conversions Part 2

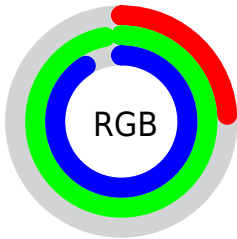
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 62, 158, 247 |
| Decimal | 4126697 |
| CIE Lab | 88.65, -47.58, -6.32 |
| CIE LCh | 89, 47.994, 187.569 |
| Yxy | 73.4289, 0.2356, 0.3463 |
| Android (android.graphics.Color) | 4282316777 (0xFF3EF7E9) |
| YUV | 190.0890, 21.1551, -112.3341 |
| Hunter-Lab | 85.6907, -45.8961, -1.3564 |

Details

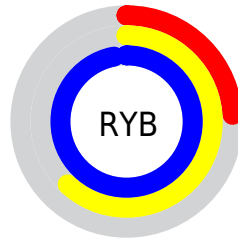
The Yxy color **73.4289, 0.2356, 0.3463** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.7364, 0.5566, 0.3193**, and the grayscale version is **51.4634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **40.0012, 0.2306, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **72.7009, 0.2327, 0.3489**, and if you desaturate by 10%, it is **74.5259, 0.2405, 0.3437**.

Distribution



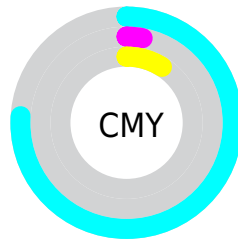
- Red (24%)
- Green (97%)
- Blue (91%)



- Red (24%)
- Yellow (62%)
- Blue (97%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (76%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4289, 0.2356, 0.3463 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 73.4289, 0.2356, 0.3463 by changing the saturation by 10% instead.


 73.4289, 0.2356,
0.3463

 73.4289, 0.2356,
0.3463


472.5000, 0.2705,
0.3391


 54.3267, 0.2279,
0.3478


 124.0859, 0.2475,
0.3439

 38.8629, 0.2184,
0.3495


 156.4095, 0.2522,
0.3430

 26.6531, 0.2067,
0.3514


 193.9091, 0.2563,
0.3421

 17.3129, 0.1917,
0.3538

 236.9690, 0.2598,
0.3414

 10.4578, 0.1721,
0.3564

285.9737, 0.2630,
0.3407

 5.7035, 0.1456,
0.3590

341.3074, 0.2658,

 2.6657, 0.1084,

0.3401

403.3547, 0.2683,
0.3396

0.3606

0.9598, 0.0000,
0.3773

0.0000, 0.0000,
0.0000

73.4289, 0.2356,
0.3463

73.4289, 0.2356,
0.3463

72.7009, 0.2327,
0.3489

74.5259, 0.2405,
0.3437

72.2802, 0.2315,
0.3514

76.0272, 0.2473,
0.3412


72.1450, 0.2313,
0.3527


77.9731, 0.2560,
0.3387

80.3966, 0.2665,
0.3363

 83.3278, 0.2784,
0.3340

 86.7943, 0.2915,
0.3319

 90.8216, 0.3056,
0.3299

 94.5583, 0.3173,
0.3281

 94.6746, 0.3162,
0.3263

Harmonies

Analogous

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



73.4289, 0.2802, 0.4022



73.4289, 0.2356, 0.3463



73.4289, 0.2122, 0.2908

Triad

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



73.4289, 0.2356, 0.3463



73.4289, 0.2813, 0.2451



73.4289, 0.4220, 0.3940

Complementary

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



73.4289, 0.2356, 0.3463



23.7364, 0.5566, 0.3193

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.



73.4289, 0.4249, 0.3506



73.4289, 0.2356, 0.3463



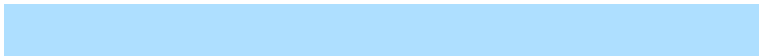
73.4289, 0.3390, 0.2692

Square

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



73.4289, 0.2356, 0.3463



73.4289, 0.2366, 0.2388



73.4289, 0.3936, 0.3065



73.4289, 0.3884, 0.4263

Rectangle

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



73.4289, 0.2356, 0.3463



73.4289, 0.2099, 0.2634



73.4289, 0.3936, 0.3065



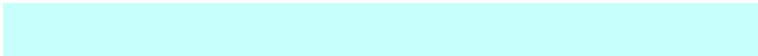
73.4289, 0.4268, 0.3802

Sweetspot

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



73.4317, 0.2356, 0.3463



90.5986, 0.2821, 0.3334



68.4648, 0.3064, 0.5635



19.1870, 0.2786, 0.3339



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.



73.4317, 0.2356, 0.3463



77.8868, 0.2318, 0.3502



36.4509, 0.2034, 0.2238



18.7350, 0.2991, 0.3308



38.1632, 0.2312, 0.3523



3.3605, 0.2303, 0.3491

Inverse Universe

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



23.7364, 0.5566, 0.3193



22.1500, 0.6135, 0.3233



38.6050, 0.5022, 0.4000



16.5028, 0.3282, 0.3272



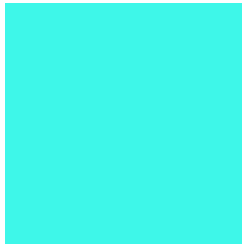
10.4898, 0.6320, 0.3255



0.9289, 0.6132, 0.3152

Previews

White Background



This preview shows how the Yxy color 73.4289, 0.2356, 0.3463 looks on a white background.

Color Contrast Check

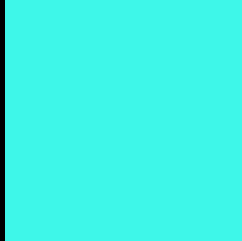
Large Text (above 18pt) WCAG AA × Fail

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 73.4289, 0.2356, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

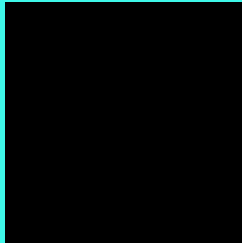
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

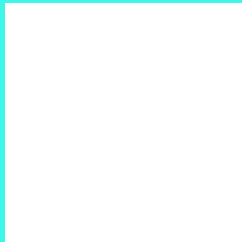
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.4289, 0.2356, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 73.4289, 0.2356, 0.3463.

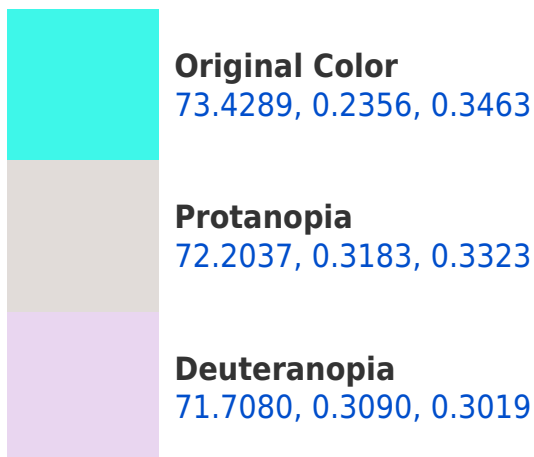


This preview shows how white text looks on a background with the Yxy color 73.4289, 0.2356, 0.3463.

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

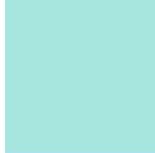
73.2381, 0.2423, 0.3101

Trichromacy



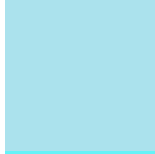
Original Color

73.4289, 0.2356, 0.3463



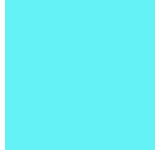
Protanomaly

70.0283, 0.2761, 0.3372



Deuteranomaly

69.1651, 0.2709, 0.3161



Tritanomaly

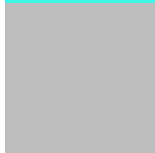
72.9864, 0.2384, 0.3228

Monochromacy



Original Color

73.4289, 0.2356, 0.3463



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.8844, 0.2698, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4289, 0.2356, 0.3463 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(62, 247, 233)` looks like.

```
.text, #text, p{  
    color:rgb(62, 247, 233)  
}
```

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(62, 247, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 247, 233) }
```

Border

The CSS property to change the border of an element to Yxy 73.4289, 0.2356, 0.3463 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(62, 247, 233) }
```

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

```
.border{ border-color:rgb(62, 247, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 247, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(62, 247,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4289, 0.2356, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 247, 233) }
```

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

```
.background{ background-color: rgb(62, 247,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor