

Converting Colors

$Y_{xy}(13.7405, 0.4487, 0.2436)$

Have a look what the booklet for
Yxy(13.7405, 0.4487, 0.2436)
contains.

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Color

Yxy(13.6775, 0.4493, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	BF2672
RGB	191, 38, 114
RGB Percent	75%, 15%, 45%
CMY	0.2510, 0.8510, 0.5529
CMYK	0.00, 0.80, 0.40, 0.25
HSL	330°, 67%, 45%
HSV	330°, 80%, 75%
XYZ	25.2167, 13.6775, 17.2302
YIQ	92.4110, 66.7920, 56.0720

Conversions

Conversions Part 2

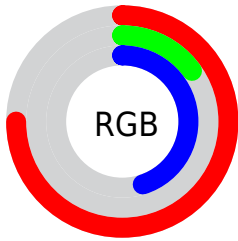
Format	Color
RYB	191, 38, 114
Decimal	12527218
CIELab	43.77, 63.67, -5.13
CIELCh	44, 63.873, 355.392
Yxy	13.6775, 0.4493, 0.2437
Android (android.graphics.Color)	4290717298 (0xFFBF2672)
YUV	92.4110, 10.6434, 86.4626
Hunter-Lab	36.9831, 56.9885, -1.7346

Details

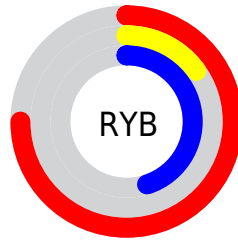
The Yxy color **13.6775, 0.4493, 0.2437** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **38.9130, 0.2682, 0.4633**, and the grayscale version is **10.7666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5630, 0.4167, 0.2630**, and **5.2989, 0.4901, 0.2474** is the 20% darker color. If you saturate the color by 10%, you get **12.5466, 0.4740, 0.2454**, and if you desaturate by 10%, it is **15.4590, 0.4247, 0.2471**.

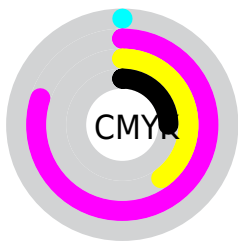
Distribution



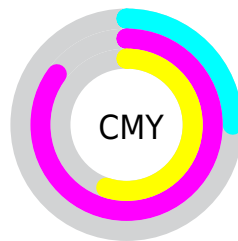
- Red (75%)
- Green (15%)
- Blue (45%)



- Red (75%)
- Yellow (15%)
- Blue (45%)



- Cyan (0%)
- Magenta (80%)
- Yellow (40%)
- Black (25%)




- Cyan (25%)
- Magenta (85%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6775, 0.4493, 0.2437 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 13.6775, 0.4493, 0.2437 by changing the saturation by 10% instead.


 13.6775, 0.4493,
0.2437


 13.6775, 0.4493,
0.2437


215.2152, 0.3690,
0.2928


 7.8967, 0.4744,
0.2289


 32.5157, 0.4167,
0.2633


 4.0289, 0.5104,
0.2082

 46.3419, 0.4055,
0.2701


 1.6898, 0.5652,
0.1775

 63.6187, 0.3965,
0.2757

 0.4170, 0.6710,
0.1115

 84.7304, 0.3891,
0.2803

 0.0000, 1.0000,
0.0000

 110.0616, 0.3828,
0.2841

 0.0000, 0.0000,
0.0000

 139.9965, 0.3775,

0.2875

174.9196, 0.3730,
0.2903

■ 13.6775, 0.4493,
0.2437

■ 13.6775, 0.4493,
0.2437

■ 12.5466, 0.4740,
0.2454

■ 15.4590, 0.4247,
0.2471

■ 11.9006, 0.4978,
0.2516

■ 17.9739, 0.4016,
0.2547

■ 21.2950, 0.3806,
0.2653

■ 25.4855, 0.3622,
0.2776

■ 30.6023, 0.3465,
0.2907

■ 36.6975, 0.3331,
0.3039

■ 43.8193, 0.3220,
0.3167

■ 52.0126, 0.3128,
0.3289

■ 61.3196, 0.3052,
0.3403

Harmonies

Analogous

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



13.6775, 0.3101, 0.1869



13.6775, 0.4493, 0.2437



13.6775, 0.5491, 0.3151

Triad

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



13.6775, 0.4493, 0.2437



13.6775, 0.3830, 0.5646



13.6775, 0.1126, 0.1868

Complementary

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



13.6775, 0.4493, 0.2437



38.9130, 0.2682, 0.4633

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.



13.6775, 0.1216, 0.2738



13.6775, 0.4493, 0.2437



13.6775, 0.2699, 0.5632

Square

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



13.6775, 0.4493, 0.2437



13.6775, 0.4875, 0.4834



13.6775, 0.1734, 0.4274



13.6775, 0.1375, 0.1537

Rectangle

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



13.6775, 0.4493, 0.2437



13.6775, 0.5639, 0.3665



13.6775, 0.1734, 0.4274



13.6775, 0.1117, 0.2085

Sweetspot

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



13.6783, 0.4493, 0.2437



60.8326, 0.3385, 0.2983



8.7597, 0.2252, 0.1153



12.5090, 0.3434, 0.2935



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.6783, 0.4493, 0.2437



21.6069, 0.4917, 0.2501



12.6034, 0.5896, 0.3298



9.6133, 0.3213, 0.3177



7.8369, 0.4948, 0.2500



0.3202, 0.4424, 0.2211

Inverse Universe

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



13.6783, 0.4493, 0.2437



21.6069, 0.4917, 0.2501



41.4366, 0.2288, 0.3288



9.6133, 0.3213, 0.3177



7.8369, 0.4948, 0.2500



0.3202, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 13.6775, 0.4493, 0.2437 looks on a white 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

Black Background



This preview shows how the Yxy color 13.6775, 0.4493, 0.2437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

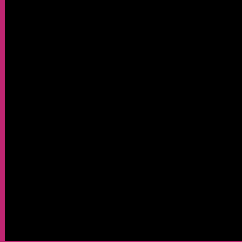
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6775, 0.4493, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 13.6775, 0.4493, 0.2437.



This preview shows how white text looks on a background with the Yxy color 13.6775, 0.4493, 0.2437.

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

13.6775, 0.4493, 0.2437

Protanopia

14.0933, 0.2380, 0.2282

Deuteranopia

13.9254, 0.3249, 0.3187



Tritanopia

13.8252, 0.5430, 0.3276

Trichromacy



Original Color

13.6775, 0.4493, 0.2437

Protanomaly

11.8454, 0.2956, 0.2190

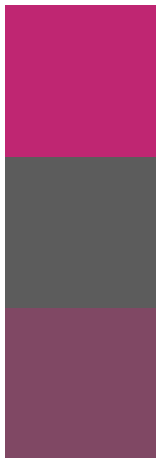
Deuteranomaly

12.3037, 0.3705, 0.2740

Tritanomaly

13.5655, 0.5143, 0.2974

Monochromacy



Original Color

13.6775, 0.4493, 0.2437

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.1440, 0.3657, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6775, 0.4493, 0.2437 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(191, 38, 114)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 114)  
}
```

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(191, 38, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 114) }
```

Border

The CSS property to change the border of an element to Yxy 13.6775, 0.4493, 0.2437 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(191, 38, 114) }
```

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

```
.border{ border-color:rgb(191, 38, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 38, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 38, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 38, 114); box-shadow:4px 4px 4px 4px rgb(191, 38, 114) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6775, 0.4493, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 114) }
```

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

```
.background{ background-color: rgb(191, 38,  
114) }
```

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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