

Converting Colors

$Yxy(17.0782, 0.6163, 0.3221)$

Have a look what the booklet for
Yxy(17.0782, 0.6163, 0.3221)
contains.

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Color

Yxy(17.1560, 0.6166, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	E51024
RGB	229, 16, 36
RGB Percent	90%, 6%, 14%
CMY	0.1019, 0.9375, 0.8587
CMYK	0.00, 0.93, 0.84, 0.10
HSL	354°, 87%, 48%
HSV	354°, 93%, 90%
XYZ	32.8216, 17.1560, 3.2523
YIQ	81.9670, 120.5280, 51.3760

Conversions

Conversions Part 2

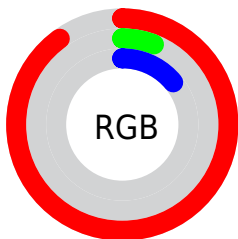
Format	Color
R_{YB}	229, 16, 36
Decimal	15011876
CIE Lab	48.46, 72.96, 49.08
CIE LCh	48, 87.929, 33.927
Yxy	17.1560, 0.6166, 0.3223
Android (android.graphics.Color)	4293201956 (0xFFE51024)
YUV	81.9670, -22.6617, 128.9479
Hunter-Lab	41.4198, 68.9610, 24.3383

Details

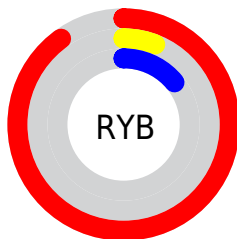
The Yxy color **17.1560, 0.6166, 0.3223** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **60.7581, 0.2332, 0.3566**, and the grayscale version is **8.4520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0690, 0.5300, 0.3398**, and **7.8925, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.7173, 0.6311, 0.3250**, and if you desaturate by 10%, it is **18.3943, 0.5845, 0.3184**.

Distribution



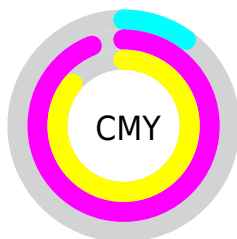
- Red (90%)
- Green (6%)
- Blue (14%)



- Red (90%)
- Yellow (6%)
- Blue (14%)



- Cyan (0%)
- Magenta (93%)
- Yellow (84%)
- Black (10%)





- Cyan (10%)
- Magenta (94%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1560, 0.6166, 0.3223 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 17.1560, 0.6166, 0.3223 by changing the saturation by 10% instead.


 17.1560, 0.6166,
0.3223

 17.1560, 0.6166,
0.3223


236.0698, 0.4494,
0.3461


 10.3458, 0.6569,
0.3068


 38.5938, 0.5552,
0.3377


 5.6288, 0.7144,
0.2856

 53.9902, 0.5319,
0.3413


 2.6207, 0.7592,
0.2408

 73.0174, 0.5124,
0.3436

 0.9371, 0.8216,
0.1784

 96.0598, 0.4958,
0.3449

 0.0000, 1.0000,
0.0000


 123.5019, 0.4816,
0.3457


 0.0000, 0.0000,
0.0000


 155.7280, 0.4694,

0.3460

 193.1225, 0.4587,
0.3461


 17.1560, 0.6166,
0.3223


 17.1560, 0.6166,
0.3223


 16.7173, 0.6311,
0.3250


 18.3943, 0.5845,
0.3184

 20.6207, 0.5424,
0.3161


 23.9878, 0.4968,
0.3156


 28.6211, 0.4531,
0.3166

 34.6298, 0.4146,
0.3185

 42.1110, 0.3822,
0.3209

 51.1534, 0.3557,
0.3234

 61.8383, 0.3344,
0.3259

 74.2416, 0.3172,
0.3283

Harmonies

Analogous

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



17.1560, 0.5298, 0.2447



17.1560, 0.6166, 0.3223



17.1560, 0.5797, 0.4126

Triad

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



17.1560, 0.6166, 0.3223



17.1560, 0.2111, 0.6058



17.1560, 0.1228, 0.1212

Complementary

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



17.1560, 0.6166, 0.3223



60.7581, 0.2332, 0.3566

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.



17.1560, 0.0859, 0.1417



17.1560, 0.6166, 0.3223



17.1560, 0.1180, 0.3876

Square

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



17.1560, 0.6166, 0.3223



17.1560, 0.3371, 0.6355



17.1560, 0.0821, 0.2154



17.1560, 0.2065, 0.1334

Rectangle

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



17.1560, 0.6166, 0.3223



17.1560, 0.5120, 0.4880



17.1560, 0.0821, 0.2154



17.1560, 0.1063, 0.1239

Sweetspot

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



17.1571, 0.6166, 0.3223



59.1072, 0.3686, 0.3221



19.3946, 0.2973, 0.1432



11.6230, 0.3806, 0.3210



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.



17.1571, 0.6166, 0.3223



21.3261, 0.6318, 0.3254



26.0380, 0.5561, 0.3905



14.3899, 0.3278, 0.3268



9.5642, 0.6290, 0.3239



0.7143, 0.6028, 0.3094

Inverse Universe

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



17.1571, 0.6166, 0.3223



21.3261, 0.6318, 0.3254



25.6489, 0.1902, 0.2008



14.3899, 0.3278, 0.3268



9.5642, 0.6290, 0.3239



0.7143, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 17.1560, 0.6166, 0.3223 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 17.1560, 0.6166, 0.3223 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 17.1560, 0.6166, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 17.1560, 0.6166, 0.3223.



This preview shows how white text looks on a background with the Yxy color 17.1560, 0.6166, 0.3223.

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

17.1560, 0.6166, 0.3223

Protanopia

17.4634, 0.4010, 0.4360

Tritanopia

17.2141, 0.6311, 0.3329

Trichromacy



Original Color

17.1560, 0.6166, 0.3223

Protanomaly

13.9669, 0.5037, 0.3710

Tritanomaly

17.1708, 0.6276, 0.3299

Monochromacy



Original Color

17.1560, 0.6166, 0.3223

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.5587, 0.4612, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1560, 0.6166, 0.3223 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(229, 16, 36)` looks like.

```
.text, #text, p{  
  color:rgb(229, 16, 36)  
}
```

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(229, 16, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 16, 36) }
```

Border

The CSS property to change the border of an element to Yxy 17.1560, 0.6166, 0.3223 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(229, 16, 36) }
```

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

```
.border{ border-color:rgb(229, 16, 36) }
```

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

Here you see how a box with a 4 pixel rgb(229, 16, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 16, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 16, 36);  
box-shadow:4px 4px 4px 4px rgb(229, 16,  
36) }
```

Background

The CSS property to change the background color of an element to Yxy 17.1560, 0.6166, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 16, 36) }
```

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

```
.background{ background-color: rgb(229, 16,  
36) }
```

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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