

Converting Colors

$Yxy(20.1751, 0.5790, 0.3493)$

Have a look what the booklet for
Yxy(20.1751, 0.5790, 0.3493)
contains.

Yxy(20.1751, 0.5790, 0.3493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1751, 0.5790, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	E14328
RGB	225, 67, 40
RGB Percent	88%, 26%, 16%
CMY	0.1176, 0.7372, 0.8430
CMYK	0.00, 0.70, 0.82, 0.12
HSL	9°, 76%, 52%
HSV	9°, 82%, 88%
XYZ	33.4423, 20.1751, 4.1413
YIQ	111.1640, 102.8350, 25.0990

Conversions

Conversions Part 2

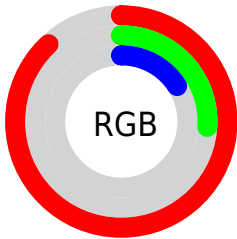
Format	Color
RYB	225, 72, 40
Decimal	14762792
CIELab	52.03, 59.73, 50.04
CIELCh	52, 77.923, 39.955
Yxy	20.1751, 0.5790, 0.3493
Android (android.graphics.Color)	4292952872 (0xFFE14328)
YUV	111.1640, -35.0839, 99.8342
Hunter-Lab	44.9167, 54.2961, 25.9752

Details

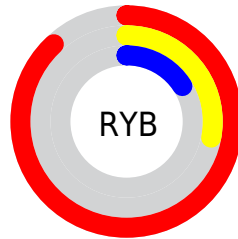
The Yxy color **20.1751, 0.5790, 0.3493** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **46.2850, 0.2176, 0.2906**, and the grayscale version is **16.0300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3799, 0.5011, 0.3631**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.1466, 0.6110, 0.3443**, and if you desaturate by 10%, it is **23.0530, 0.5382, 0.3516**.

Distribution



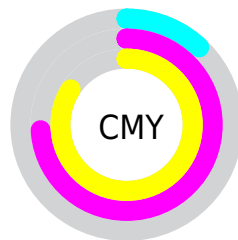
- Red (88%)
- Green (26%)
- Blue (16%)



- Red (88%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (70%)
- Yellow (82%)
- Black (12%)





- Cyan (12%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1751, 0.5790, 0.3493 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 20.1751, 0.5790, 0.3493 by changing the saturation by 10% instead.


 20.1751, 0.5790,
0.3493


 20.1751, 0.5790,
0.3493


252.8615, 0.4344,
0.3552


 12.5224, 0.6140,
0.3398


 43.7106, 0.5260,
0.3569

 7.1005, 0.6592,
0.3242


 60.3621, 0.5060,
0.3580

 3.5250, 0.7071,
0.2929

 80.7820, 0.4891,
0.3583

 1.4116, 0.7603,
0.2397

 105.3547, 0.4748,
0.3580

 0.2252, 0.8976,
0.1024

 134.4647, 0.4625,
0.3575

 0.0000, 1.0000,
0.0000

 168.4962, 0.4519,

 0.0000, 0.0000,

0.3568

0.0000

207.8336, 0.4426,
0.3560

■ 20.1751, 0.5790,
0.3493

■ 20.1751, 0.5790,
0.3493

■ 18.1466, 0.6110,
0.3443

■ 23.0530, 0.5382,
0.3516


■ 17.0855, 0.6279,
0.3396

■ 26.8578, 0.4944,
0.3514

■ 31.6621, 0.4524,
0.3491


■ 37.5303, 0.4148,
0.3457

■ 44.5213, 0.3828,
0.3417

 52.6895, 0.3561,
0.3376

 62.0860, 0.3342,
0.3336

 72.7587, 0.3162,
0.3298

 84.7531, 0.3015,
0.3263

Harmonies

Analogous

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



20.1751, 0.5210, 0.2729



20.1751, 0.5790, 0.3493



20.1751, 0.5385, 0.4362

Triad

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



20.1751, 0.5790, 0.3493



20.1751, 0.2110, 0.5254



20.1751, 0.1550, 0.1425

Complementary

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



20.1751, 0.5790, 0.3493



46.2850, 0.2176, 0.2906

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.



20.1751, 0.1119, 0.1568



20.1751, 0.5790, 0.3493



20.1751, 0.1323, 0.3459

Square

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



20.1751, 0.5790, 0.3493



20.1751, 0.3245, 0.5985



20.1751, 0.1034, 0.2155



20.1751, 0.2433, 0.1595

Rectangle

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



20.1751, 0.5790, 0.3493



20.1751, 0.4775, 0.5020



20.1751, 0.1034, 0.2155



20.1751, 0.1363, 0.1435

Sweetspot

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



20.1763, 0.5790, 0.3493



66.5959, 0.3635, 0.3388



21.7130, 0.3500, 0.1797



13.4297, 0.3729, 0.3402



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.



20.1763, 0.5790, 0.3493



22.7413, 0.6269, 0.3395



40.3349, 0.4764, 0.4415



14.0215, 0.3288, 0.3325



9.9483, 0.6260, 0.3411



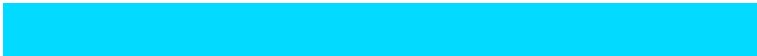
0.7928, 0.6004, 0.3614

Inverse Universe

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



46.2850, 0.2176, 0.2906



57.4707, 0.2117, 0.2816



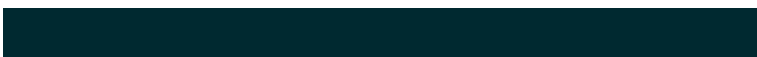
16.5815, 0.1805, 0.1510



15.2137, 0.2982, 0.3255



25.0364, 0.2117, 0.2822



1.8296, 0.2139, 0.2901

Previews

White Background



This preview shows how the Yxy color 20.1751, 0.5790, 0.3493 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 20.1751, 0.5790, 0.3493 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 20.1751, 0.5790, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 20.1751, 0.5790, 0.3493.



This preview shows how white text looks on a background with the Yxy color 20.1751, 0.5790, 0.3493.

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

20.1751, 0.5790, 0.3493

Protanopia

20.3463, 0.4074, 0.4480

Deuteranopia

20.1868, 0.4631, 0.4552



Tritanopia

20.2408, 0.5530, 0.3272

Trichromacy



Original Color

20.1751, 0.5790, 0.3493

Protanomaly

18.6770, 0.4780, 0.4039

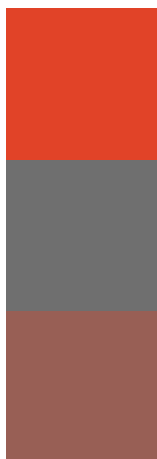
Deuteranomaly

18.9575, 0.5157, 0.4078

Tritanomaly

20.2448, 0.5644, 0.3362

Monochromacy



Original Color

20.1751, 0.5790, 0.3493

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.5157, 0.4170, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1751, 0.5790, 0.3493 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(225, 67, 40)` looks like.

```
.text, #text, p{  
    color:rgb(225, 67, 40)  
}
```

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(225, 67, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 67, 40) }
```

Border

The CSS property to change the border of an element to Yxy 20.1751, 0.5790, 0.3493 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(225, 67, 40) }
```

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

```
.border{ border-color:rgb(225, 67, 40) }
```

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

Here you see how a box with a 4 pixel rgb(225, 67, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 67, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 67, 40);  
box-shadow:4px 4px 4px 4px rgb(225, 67,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1751, 0.5790, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 67, 40) }
```

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

```
.background{ background-color: rgb(225, 67,  
40) }
```

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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