

Converting Colors

XYZ(35.8190, 20.2669, 8.6807)

Have a look what the booklet for
XYZ(35.8190, 20.2669, 8.6807)
contains.

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Color

**XYZ(35.8679, 20.3021,
8.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	E8364B
RGB	232, 54, 75
RGB Percent	91%, 21%, 29%
CMY	0.0902, 0.7882, 0.7059
CMYK	0.00, 0.77, 0.68, 0.09
HSL	353°, 79%, 56%
HSV	353°, 77%, 91%
XYZ	35.8679, 20.3021, 8.6849
YIQ	109.6160, 99.3470, 44.2670

Conversions

Conversions Part 2

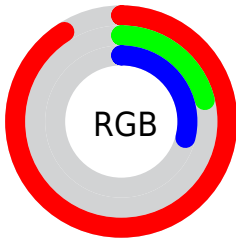
Format	Color
R_{YB}	232, 54, 75
Decimal	15218251
CIE _{Lab}	52.18, 67.45, 31.45
CIE _{LCh}	52, 74.427, 25.000
Yxy	20.3021, 0.5530, 0.3130
Android (android.graphics.Color)	4293408331 (0xFFE8364B)
YUV	109.6160, -17.0657, 107.3308
Hunter-Lab	45.0579, 63.2421, 20.1123

Details

The XYZ color **35.8679, 20.3021, 8.6849** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.1379, 63.2013, 71.6142**, and the grayscale version is **14.7400, 15.5077, 16.8878**.

A 20% lighter version of the original color is **51.1235, 35.2060, 23.1697**, and **16.3958, 8.4238, 2.0581** is the 20% darker color. If you saturate the color by 10%, you get **34.4422, 18.3974, 5.2922**, and if you desaturate by 10%, it is **38.0342, 23.3281, 13.4358**.

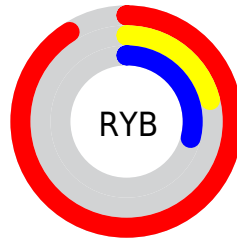
Distribution



Red (91%)

Green (21%)

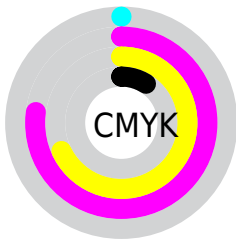
Blue (29%)



Red (91%)

Yellow (21%)

Blue (29%)

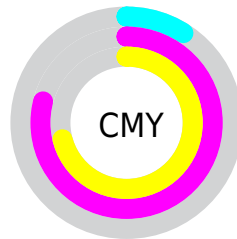


Cyan (0%)

Magenta (77%)

Yellow (68%)

Black (9%)



Cyan (9%)


Magenta (79%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8679, 20.3021, 8.6849 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 XYZ color 35.8679, 20.3021, 8.6849 by changing the saturation by 10% instead.


 35.8679, 20.3021,
8.6849


 35.8679, 20.3021,
8.6849

319.8241,
253.5459, 191.1403


 24.5018, 12.6148,
4.4422


 68.1533, 43.9231,
23.8585

 15.8330, 7.1639,
1.8710


 89.8034, 60.6256,
35.6266


 9.4962, 3.5648,
0.4742


 115.6122, 81.1020,
50.7402

 5.1259, 1.4332,
0.0000

 145.9450,
105.7367, 69.6179

 2.3568, 0.2410,
0.0000

 181.1673,
134.9140, 92.6782

 0.8235, 0.0000,
0.0000

221.6443,

 0.0000, 0.0000,

169.0184, 120.3397

0.0000

267.7415,
208.4342, 153.0208

■ 35.8679, 20.3021,
8.6849

■ 35.8679, 20.3021,
8.6849

■ 34.4422, 18.3974,
5.2922

■ 38.0342, 23.3281,
13.4358

■ 33.6510, 17.4369,
3.1109


■ 41.0237, 27.6089,
19.6683


■ 33.4805, 17.2365,
2.6210


■ 44.9098, 33.2631,
27.4929


■ 49.7569, 40.3946,
37.0092

■ 55.6237, 49.0973,
48.3087

 62.5641, 59.4573,
61.4761

 70.6282, 71.5545,
76.5909

 79.8628, 85.4635,
93.7279

 87.0886, 95.8957,
108.5274

Harmonies

Analogous

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



37.8974, 20.3021, 25.9708



35.8679, 20.3021, 8.6849



28.9869, 20.3021, 2.4652

Triad

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



35.8679, 20.3021, 8.6849



9.6058, 20.3021, 5.7091



18.0467, 20.3021, 95.8675

Complementary

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



35.8679, 20.3021, 8.6849



42.1379, 63.2013, 71.6142

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.



12.0495, 20.3021, 77.4257



35.8679, 20.3021, 8.6849



8.0659, 20.3021, 18.6442

Square

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



35.8679, 20.3021, 8.6849



13.7398, 20.3021, 1.7108



8.8253, 20.3021, 45.0233



26.1797, 20.3021, 86.1764

Rectangle

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



35.8679, 20.3021, 8.6849



23.3454, 20.3021, 1.2953



8.8253, 20.3021, 45.0233



15.7452, 20.3021, 92.5271

Sweetspot

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



35.8684, 20.3033, 8.6852



71.8702, 65.2224, 65.4673



41.9731, 21.9145, 78.3613



14.7487, 13.0149, 12.8034



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.8684, 20.3033, 8.6852



42.0321, 21.9885, 4.8320



40.5743, 30.6814, 7.2753



14.4458, 14.3955, 15.2818



18.6108, 9.5786, 1.5797



1.3982, 0.7170, 0.2374

Inverse Universe

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



35.8684, 20.3033, 8.6852



42.0321, 21.9885, 4.8320



29.8582, 34.1523, 81.3619



14.4458, 14.3955, 15.2818



18.6108, 9.5786, 1.5797



1.3982, 0.7170, 0.2374

Previews

White Background



This preview shows how the XYZ color 35.8679, 20.3021, 8.6849 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 XYZ color 35.8679, 20.3021, 8.6849 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](#).

XYZ 35.8679, 20.3021, 8.6849

Background



This preview shows how black text looks on a background with the XYZ color 35.8679, 20.3021, 8.6849.



This preview shows how white text looks on a background with the XYZ color 35.8679, 20.3021,

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

35.8679, 20.3021, 8.6849

Protanopia

19.2476, 20.5321, 15.5190

Deuteranopia

20.6878, 20.3476, 7.8381



Tritanopia

35.2075, 20.2309, 6.1870

Trichromacy



Original Color

35.8679, 20.3021, 8.6849

Protanomaly

22.5421, 18.0212, 12.4156

Deuteranomaly

24.4578, 18.5592, 7.9234

Tritanomaly

35.3233, 20.1989, 7.0381

Monochromacy



Original Color

35.8679, 20.3021, 8.6849

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

19.1403, 15.0454, 13.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8679, 20.3021, 8.6849 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(232, 54, 75)` looks like.

```
.text, #text, p{  
  color:rgb(232, 54, 75)  
}
```

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(232, 54, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 54, 75) }
```

Border

The CSS property to change the border of an element to XYZ 35.8679, 20.3021, 8.6849 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(232, 54, 75) }
```


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

```
.border{ border-color:rgb(232, 54, 75) }
```

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

Here you see how a box with a 4 pixel rgb(232, 54, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 54, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 54, 75);  
box-shadow:4px 4px 4px 4px rgb(232, 54,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8679, 20.3021, 8.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 54, 75) }
```

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

```
.background{ background-color: rgb(232, 54,  
75) }
```

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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