

Converting Colors

XYZ(34.2676, 17.6496, 2.3269)

Have a look what the booklet for
XYZ(34.2676, 17.6496, 2.3269)
contains.

XYZ(34.3963, 17.7163, 2.3162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.3963, 17.7163,
2.3162)**

Conversions

Conversions Part 1	
Format	Color
Hex	EB0015
RGB	235, 0, 21
RGB Percent	92%, 0%, 8%
CMY	0.0784, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.91, 0.08
HSL	355°, 100%, 46%
HSV	355°, 100%, 92%
XYZ	34.3963, 17.7163, 2.3162
YIQ	72.6590, 133.3190, 56.3510

Conversions

Conversions Part 2

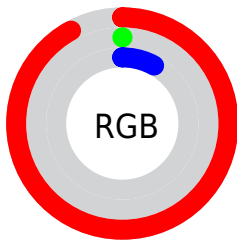
Format	Color
RYB	235, 0, 21
Decimal	15400981
CIELab	49.15, 75.49, 56.91
CIELCh	49, 94.539, 37.013
Yxy	17.7163, 0.6320, 0.3255
Android (android.graphics.Color)	4293591061 (0xFFEB0015)
YUV	72.6590, -25.4679, 142.3731
Hunter-Lab	42.0907, 72.2104, 26.2009

Details

The XYZ color **34.3963, 17.7163, 2.3162** 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 **41.8536, 64.2745, 73.8565**, and the grayscale version is **6.3057, 6.6341, 7.2245**.

A 20% lighter version of the original color is **46.1726, 29.3565, 9.0272**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.3955, 17.7160, 2.3136**, and if you desaturate by 10%, it is **35.0035, 18.4673, 3.9485**.

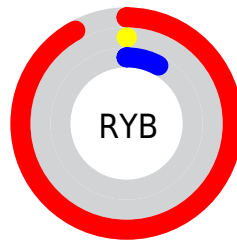
Distribution



Red (92%)

Green (0%)

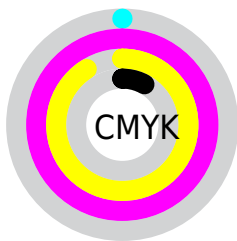
Blue (8%)



Red (92%)

Yellow (0%)

Blue (8%)

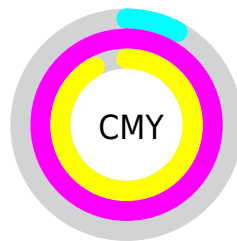


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3963, 17.7163, 2.3162 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 34.3963, 17.7163, 2.3162 by changing the saturation by 10% instead.


 34.3963, 17.7163,
2.3162


 34.3963, 17.7163,
2.3162


313.4504,
239.2671, 127.1082


 23.3625, 10.7465,
0.7403


 65.8897, 39.5533,
9.8885


 14.9836, 5.8966,
0.0000


 87.0800, 55.1893,
16.7389

 8.8941, 2.7823,
0.0000


 112.3866, 74.4828,
26.1901

 4.7287, 1.0192,
0.0000

 142.1748, 97.8183,
38.6608

 2.1221, 0.0000,
0.0000

 176.8099,
125.5800, 54.5694

 0.7012, 0.0000,
0.0000


 216.6573,


 0.0000, 0.0000,


158.1525, 74.3345


0.0000


 262.0824,
195.9200, 98.3746


 34.3963, 17.7163,
2.3162


 34.3963, 17.7163,
2.3162


 34.3955, 17.7160,
2.3136


 35.0035, 18.4673,
3.9485


 36.1996, 20.0678,
6.7880


 38.1342, 22.7719,
11.0251


 40.9025, 26.7314,
16.8097

 44.5853, 32.0743,
24.2725

 49.2535, 38.9127,
33.5299

 54.9714, 47.3472,
44.6884

 61.7976, 57.4698,
57.8458

 69.7864, 69.3653,
73.0933

Harmonies

Analogous

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



39.9864, 17.7163, 13.9337



34.3963, 17.7163, 2.3162



24.3918, 17.7163, 0.0000

Triad

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



34.3963, 17.7163, 2.3162



5.5336, 17.7163, 5.8360



19.0016, 17.7163, 119.2571

Complementary

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



34.3963, 17.7163, 2.3162



41.8536, 64.2745, 73.8565

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.



11.0322, 17.7163, 107.8412



34.3963, 17.7163, 2.3162



4.9713, 17.7163, 25.8684

Square

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



34.3963, 17.7163, 2.3162



8.5356, 17.7163, 0.6468



6.5824, 17.7163, 65.9747



29.2916, 17.7163, 90.1740

Rectangle

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



34.3963, 17.7163, 2.3162



17.7408, 17.7163, 0.0000



6.5824, 17.7163, 65.9747



15.9680, 17.7163, 120.2643

Sweetspot

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



34.3967, 17.7174, 2.3164



66.0508, 56.8164, 53.5612



42.0048, 19.9230, 80.2282



13.4816, 11.1919, 10.1888



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.



34.3967, 17.7174, 2.3164



41.3920, 21.3208, 2.7303



38.2668, 25.6738, 2.9403



15.1200, 15.0758, 15.9171



19.1624, 9.8676, 1.3903



1.5234, 0.7823, 0.2078

Inverse Universe

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



34.3967, 17.7174, 2.3164



41.3920, 21.3208, 2.7303



24.5243, 25.0550, 82.1401



15.1200, 15.0758, 15.9171



19.1624, 9.8676, 1.3903



1.5234, 0.7823, 0.2078

Previews

White Background



This preview shows how the XYZ color 34.3963, 17.7163, 2.3162 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 XYZ color 34.3963, 17.7163, 2.3162 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 34.3963, 17.7163, 2.3162

Background



This preview shows how black text looks on a background with the XYZ color 34.3963, 17.7163, 2.3162.



This preview shows how white text looks on a background with the XYZ color 34.3963, 17.7163,

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

34.3963, 17.7163, 2.3162

Protanopia

16.6876, 18.3474, 4.8524

Deuteranopia

18.4828, 18.2943, 2.5570






Tritanopia

33.8912, 17.8975, 1.6683

Trichromacy

	Original Color 34.3963, 17.7163, 2.3162
	Protanomaly 19.4507, 13.8304, 3.1577
	Deuteranomaly 21.4172, 14.4760, 1.8951
	Tritanomaly 34.1326, 17.8240, 1.8711

Monochromacy

	Original Color 34.3963, 17.7163, 2.3162
	Achromatopsia 6.3328, 6.6626, 7.2556
	Achromatomaly 11.1586, 7.1259, 4.2773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3963, 17.7163, 2.3162 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(235, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 21)  
}
```

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(235, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 34.3963, 17.7163, 2.3162 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(235, 0, 21) }
```


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

```
.border{ border-color:rgb(235, 0, 21) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(235, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3963, 17.7163, 2.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 21) }
```

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

```
.background{ background-color: rgb(235, 0,  
21) }
```

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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