

Converting Colors

XYZ(32.4702, 14.5128, 1.9247)

Have a look what the booklet for
XYZ(32.4702, 14.5128, 1.9247)
contains.

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Color

**XYZ(34.0863, 17.5543,
2.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	EA0017
RGB	234, 0, 23
RGB Percent	92%, 0%, 9%
CMY	0.0824, 0.9998, 0.9098
CMYK	0.00, 1.00, 0.90, 0.08
HSL	354°, 100%, 46%
HSV	354°, 100%, 92%
XYZ	34.0863, 17.5543, 2.4024
YIQ	72.5880, 132.0810, 56.7610

Conversions

Conversions Part 2

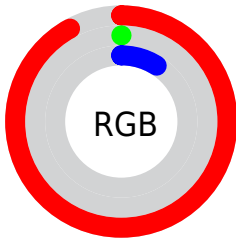
Format	Color
RYB	234, 0, 23
Decimal	15335447
CIELab	48.95, 75.27, 55.89
CIElCh	49, 93.755, 36.593
Yxy	17.5543, 0.6307, 0.3248
Android (android.graphics.Color)	4293525527 (0xFFEA0017)
YUV	72.5880, -24.4469, 141.5583
Hunter-Lab	41.8979, 71.8987, 25.9288

Details

The XYZ color **34.0863, 17.5543, 2.4024** 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 **41.1885, 63.5515, 71.7624**, and the grayscale version is **6.2919, 6.6196, 7.2087**.

A 20% lighter version of the original color is **46.2045, 29.3692, 9.1948**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.0855, 17.5539, 2.3995**, and if you desaturate by 10%, it is **34.7036, 18.3061, 4.0977**.

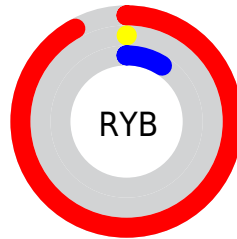
Distribution



Red (92%)

Green (0%)

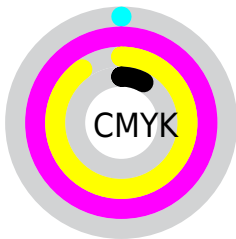
Blue (9%)



Red (92%)

Yellow (0%)

Blue (9%)

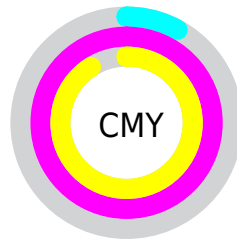


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0863, 17.5543, 2.4024 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 34.0863, 17.5543, 2.4024 by changing the saturation by 10% instead.

 34.0863, 17.5543,
2.4024


 34.0863, 17.5543,
2.4024

312.0958,
238.3467, 128.3419


 23.1231, 10.6305,
0.7878


 65.4112, 39.2764,
10.1143

 14.8056, 5.8189,
0.0000


 86.5037, 54.8434,
17.0592


 8.7685, 2.7353,
0.0000


 111.7033, 74.0603,
26.6215

 4.6464, 0.9952,
0.0000

 141.3754, 97.3115,
39.2196

 2.0739, 0.0000,
0.0000

 175.8854,
124.9814, 55.2722

 0.6750, 0.0000,
0.0000


 215.5985,


 0.0000, 0.0000,


157.4542, 75.1977


0.0000


 260.8802,
195.1146, 99.4148


 34.0863, 17.5543,
2.4024


 34.0863, 17.5543,
2.4024


 34.0855, 17.5539,
2.3995

 34.7036, 18.3061,
4.0977

 35.9026, 19.8982,
6.9817

 37.8303, 22.5822,
11.2361

 40.5800, 26.5078,
17.0043

 44.2307, 31.8013,
24.4116

■ 48.8523, 38.5733,
33.5699

■ 54.5075, 46.9233,
44.5814

■ 61.2539, 56.9420,
57.5406

■ 69.1448, 68.7133,
72.5351

Harmonies

Analogous

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



39.4902, 17.5543, 14.1148



34.0863, 17.5543, 2.4024



24.2692, 17.5543, 0.0000

Triad

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



34.0863, 17.5543, 2.4024



5.5451, 17.5543, 5.6822



18.6843, 17.5543, 117.4597

Complementary

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



34.0863, 17.5543, 2.4024



41.1885, 63.5515, 71.7624

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.



10.8723, 17.5543, 105.6868



34.0863, 17.5543, 2.4024



4.9584, 17.5543, 25.1721

Square

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



34.0863, 17.5543, 2.4024



8.5544, 17.5543, 0.6378



6.5207, 17.5543, 64.3901



28.8049, 17.5543, 89.3719

Rectangle

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



34.0863, 17.5543, 2.4024



17.7010, 17.5543, 0.0000



6.5207, 17.5543, 64.3901



15.7083, 17.5543, 118.2418

Sweetspot

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



34.0867, 17.5554, 2.4026



66.1232, 56.8454, 53.9425



41.6028, 19.7324, 79.4572



13.4981, 11.1985, 10.2755



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.



34.0867, 17.5554, 2.4026



41.4155, 21.3302, 2.8543



37.9021, 25.4332, 2.9132



15.1255, 15.0780, 15.9460



19.1750, 9.8727, 1.4568



1.5260, 0.7834, 0.2216

Inverse Universe

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



34.0867, 17.5554, 2.4026



41.4155, 21.3302, 2.8543



24.2920, 24.8211, 81.3517



15.1255, 15.0780, 15.9460



19.1750, 9.8727, 1.4568



1.5260, 0.7834, 0.2216

Previews

White Background



This preview shows how the XYZ color 34.0863, 17.5543, 2.4024 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 34.0863, 17.5543, 2.4024 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 34.0863, 17.5543, 2.4024

Background



This preview shows how black text looks on a background with the XYZ color 34.0863, 17.5543, 2.4024.



This preview shows how white text looks on a background with the XYZ color 34.0863, 17.5543,

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

34.0863, 17.5543, 2.4024

Protanopia

16.4488, 18.0442, 4.9988

Deuteranopia

18.1886, 17.9779, 2.5114



Tritanopia

33.5469, 17.6921, 1.6468

Trichromacy



Original Color

34.0863, 17.5543, 2.4024

Protanomaly

19.1967, 13.5945, 3.2813

Deuteranomaly

21.1195, 14.2273, 1.8628

Tritanomaly

33.7920, 17.6290, 1.8514

Monochromacy



Original Color

34.0863, 17.5543, 2.4024

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

11.1823, 7.1354, 4.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0863, 17.5543, 2.4024 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(234, 0, 23)` looks like.

```
.text, #text, p{  
  color:rgb(234, 0, 23)  
}
```

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(234, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 23) }
```

Border

The CSS property to change the border of an element to XYZ 34.0863, 17.5543, 2.4024 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(234, 0, 23) }
```


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

```
.border{ border-color:rgb(234, 0, 23) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.0863, 17.5543, 2.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 23) }
```

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

```
.background{ background-color: rgb(234, 0,  
23) }
```

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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