

Converting Colors

XYZ(34.2235, 17.5356, 6.4480)

Have a look what the booklet for
XYZ(34.2235, 17.5356, 6.4480)
contains.

XYZ(34.2041, 17.5260, 6.4306)	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(34.2041, 17.5260,
6.4306)**

Conversions

Conversions Part 1

Format	Color
Hex	E80040
RGB	232, 0, 64
RGB Percent	91%, 0%, 25%
CMY	0.0902, 0.9998, 0.7490
CMYK	0.00, 1.00, 0.72, 0.09
HSL	343°, 100%, 46%
HSV	343°, 100%, 91%
XYZ	34.2041, 17.5260, 6.4306
YIQ	76.6640, 117.7280, 69.0880

Conversions

Conversions Part 2

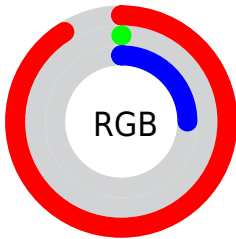
Format	Color
RYB	232, 0, 64
Decimal	15204416
CIELab	48.92, 75.83, 34.04
CIELCh	49, 83.123, 24.173
Yxy	17.5260, 0.5881, 0.3013
Android (android.graphics.Color)	4293394496 (0xFFE80040)
YUV	76.6640, -6.2434, 136.2297
Hunter-Lab	41.8641, 72.5773, 20.1975

Details

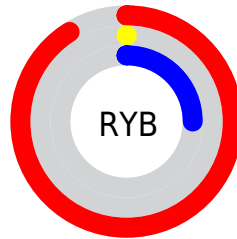
The XYZ color **34.2041, 17.5260, 6.4306** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.9304, 60.5424, 46.8661**, and the grayscale version is **6.9936, 7.3578, 8.0127**.

A 20% lighter version of the original color is **48.0790, 30.2586, 18.6357**, and **16.0812, 8.2734, 1.5084** is the 20% darker color. If you saturate the color by 10%, you get **34.2026, 17.5253, 6.4242**, and if you desaturate by 10%, it is **35.0679, 18.3699, 9.4437**.

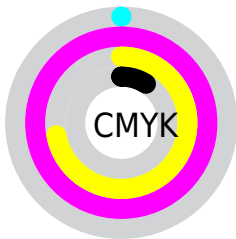
Distribution



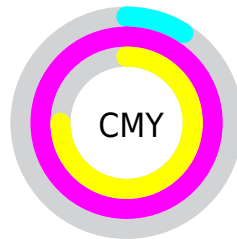
- Red (91%)
- Green (0%)
- Blue (25%)



- Red (91%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2041, 17.5260, 6.4306 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 34.2041, 17.5260, 6.4306 by changing the saturation by 10% instead.

 34.2041, 17.5260,
6.4306


 34.2041, 17.5260,
6.4306


312.6111,
238.1856, 172.2922


 23.2141, 10.6102,
3.0356


 65.5931, 39.2280,
19.3112


 14.8732, 5.8054,
1.1129


 86.7228, 54.7829,
29.6339

 8.8162, 2.7271,
0.0000


 111.9631, 73.9864,
43.1030

 4.6776, 0.9910,
0.0000

 141.6794, 97.2229,
60.1369

 2.0922, 0.0000,
0.0000

 176.2370,
124.8766, 81.1542

 0.6850, 0.0000,
0.0000

 216.0012,

 0.0000, 0.0000,

157.3320, 106.5735

0.0000

261.3375,
194.9736, 136.8133

■ 34.2041, 17.5260,
6.4306

■ 34.2041, 17.5260,
6.4306

■ 34.2026, 17.5253,
6.4242

■ 35.0679, 18.3699,
9.4437

■ 36.4596, 20.0201,
13.4013

■ 38.5081, 22.7177,
18.3984

■ 41.2918, 26.6041,
24.5087

■ 44.8775, 31.7987,
31.7982

■ 49.3241, 38.4061,
40.3274

■ 54.6849, 46.5202,
50.1525

■ 61.0085, 56.2269,
61.3260

■ 68.3404, 67.6055,
73.8975

Harmonies

Analogous

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



36.2216, 17.5260, 23.7331



34.2041, 17.5260, 6.4306



26.9463, 17.5260, 1.2017

Triad

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



34.2041, 17.5260, 6.4306



7.2877, 17.5260, 3.4470



15.1957, 17.5260, 100.3268

Complementary

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



34.2041, 17.5260, 6.4306



35.9304, 60.5424, 46.8661

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.



9.3916, 17.5260, 78.4785



34.2041, 17.5260, 6.4306



5.8237, 17.5260, 15.0835

Square

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



34.2041, 17.5260, 6.4306



11.2883, 17.5260, 0.5945



6.4531, 17.5260, 42.3246



23.5066, 17.5260, 90.0884

Rectangle

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



34.2041, 17.5260, 6.4306



21.0438, 17.5260, 0.3053



6.4531, 17.5260, 42.3246



12.9282, 17.5260, 96.1761

Sweetspot

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



34.2045, 17.5271, 6.4308



67.6375, 57.4511, 61.9167



30.3512, 13.9650, 77.4391



13.8461, 11.3377, 12.1081



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.



34.2045, 17.5271, 6.4308



42.3549, 21.7060, 7.8012



34.4328, 19.4638, 1.9438



14.5394, 14.4330, 15.7750



19.0338, 9.7478, 3.8072



1.4449, 0.7357, 0.4834

Inverse Universe

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



34.2045, 17.5271, 6.4308



42.3549, 21.7060, 7.8012



31.2420, 39.1782, 82.2588



14.5394, 14.4330, 15.7750



19.0338, 9.7478, 3.8072



1.4449, 0.7357, 0.4834

Previews

White Background



This preview shows how the XYZ color 34.2041, 17.5260, 6.4306 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 34.2041, 17.5260, 6.4306 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 34.2041, 17.5260, 6.4306

Background



This preview shows how black text looks on a background with the XYZ color 34.2041, 17.5260, 6.4306.



This preview shows how white text looks on a background with the XYZ color 34.2041, 17.5260,

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

34.2041, 17.5260, 6.4306

Protanopia

17.0472, 18.1614, 13.6733

Deuteranopia

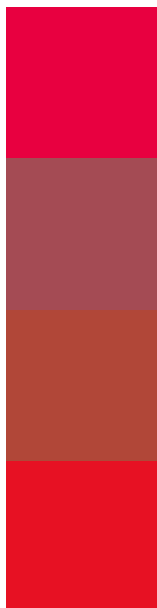
18.2681, 17.9473, 5.7501



Tritanopia

33.4419, 17.7747, 2.2844

Trichromacy



Original Color

34.2041, 17.5260, 6.4306

Protanomaly

19.4262, 13.5648, 9.9819

Deuteranomaly

21.0985, 14.1391, 5.3585

Tritanomaly

33.4588, 17.5112, 3.2066

Monochromacy



Original Color

34.2041, 17.5260, 6.4306

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.9409, 7.6511, 6.9783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2041, 17.5260, 6.4306 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, 0, 64)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 64)  
}
```

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, 0, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 64) }
```

Border

The CSS property to change the border of an element to XYZ 34.2041, 17.5260, 6.4306 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, 0, 64) }
```


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

```
.border{ border-color:rgb(232, 0, 64) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 64);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 64)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.2041, 17.5260, 6.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 64) }
```

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

```
.background{ background-color: rgb(232, 0,  
64) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor