

Converting Colors

XYZ(34.1609, 17.5106, 6.1185)

Have a look what the booklet for
XYZ(34.1609, 17.5106, 6.1185)
contains.

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Color

**XYZ(34.1482, 17.5036,
6.1361)**

Conversions

Conversions Part 1

Format	Color
Hex	E8003E
RGB	232, 0, 62
RGB Percent	91%, 0%, 24%
CMY	0.0902, 0.9998, 0.7569
CMYK	0.00, 1.00, 0.73, 0.09
HSL	344°, 100%, 46%
HSV	344°, 100%, 91%
XYZ	34.1482, 17.5036, 6.1361
YIQ	76.4360, 118.3700, 68.4660

Conversions

Conversions Part 2

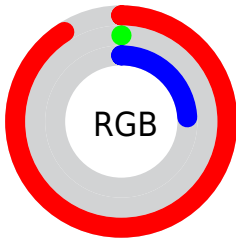
Format	Color
R_{YB}	232, 0, 62
Decimal	15204414
CIE Lab	48.89, 75.76, 35.20
CIE LCh	49, 83.537, 24.920
Yxy	17.5036, 0.5909, 0.3029
Android (android.graphics.Color)	4293394494 (0xFFE8003E)
YUV	76.4360, -7.1169, 136.4296
Hunter-Lab	41.8373, 72.4789, 20.5903

Details

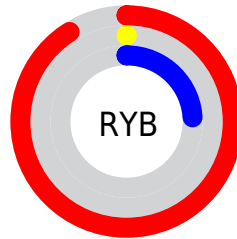
The XYZ color **34.1482, 17.5036, 6.1361** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.1181, 60.6176, 47.8546**, and the grayscale version is **6.9527, 7.3148, 7.9658**.

A 20% lighter version of the original color is **47.8275, 30.0184, 17.7413**, and **16.0717, 8.2696, 1.4586** is the 20% darker color. If you saturate the color by 10%, you get **34.1468, 17.5030, 6.1302**, and if you desaturate by 10%, it is **35.0014, 18.3433, 9.0937**.

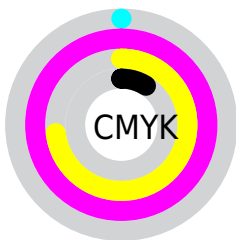
Distribution



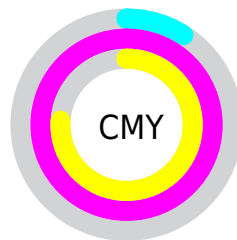
- Red (91%)
- Green (0%)
- Blue (24%)



- Red (91%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1482, 17.5036, 6.1361 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 34.1482, 17.5036, 6.1361 by changing the saturation by 10% instead.


 34.1482, 17.5036,
6.1361


 34.1482, 17.5036,
6.1361


312.3667,
238.0580, 169.6278


 23.1709, 10.5942,
2.8579


 65.5068, 39.1896,
18.6953


 14.8411, 5.7947,
1.0225


 86.6189, 54.7350,
28.8133

 8.7936, 2.7206,
0.0000


 111.8399, 73.9279,
42.0483

 4.6628, 0.9877,
0.0000

 141.5352, 97.1527,
58.8189

 2.0835, 0.0000,
0.0000

 176.0702,
124.7936, 79.5437

 0.6802, 0.0000,
0.0000

 215.8102,

 0.0000, 0.0000,

157.2352, 104.6410

0.0000

261.1205,
194.8619, 134.5295

■ 34.1482, 17.5036,
6.1361

■ 34.1482, 17.5036,
6.1361

■ 34.1468, 17.5030,
6.1302

■ 35.0014, 18.3433,
9.0937

■ 36.3851, 19.9902,
13.0091

■ 38.4285, 22.6856,
17.9797

■ 41.2106, 26.5713,
24.0815

■ 44.7984, 31.7666,
31.3825

■ 49.2512, 38.3763,
39.9450

■ 54.6227, 46.4946,
49.8268

■ 60.9617, 56.2073,
61.0818

■ 68.3140, 67.5940,
73.7610

Harmonies

Analogous

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



36.3404, 17.5036, 23.0945



34.1482, 17.5036, 6.1361



26.7588, 17.5036, 1.1214

Triad

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



34.1482, 17.5036, 6.1361



7.1764, 17.5036, 3.5455



15.3512, 17.5036, 101.0518

Complementary

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



34.1482, 17.5036, 6.1361



36.1181, 60.6176, 47.8546

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.



9.4558, 17.5036, 79.6919



34.1482, 17.5036, 6.1361



5.7677, 17.5036, 15.5224

Square

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



34.1482, 17.5036, 6.1361



11.1130, 17.5036, 0.5964



6.4489, 17.5036, 43.2995



23.7412, 17.5036, 89.9125

Rectangle

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



34.1482, 17.5036, 6.1361



20.8242, 17.5036, 0.2538



6.4489, 17.5036, 43.2995



13.0518, 17.5036, 97.1427

Sweetspot

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



34.1486, 17.5047, 6.1363



67.5608, 57.4204, 61.5129



30.3511, 13.9649, 77.4392



13.8283, 11.3306, 12.0145



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.



34.1486, 17.5047, 6.1363



42.2865, 21.6786, 7.4407



34.4327, 19.4637, 1.9437



14.5343, 14.4309, 15.7478



19.0018, 9.7349, 3.6384



1.4420, 0.7345, 0.4679

Inverse Universe

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



34.1486, 17.5047, 6.1363



42.2865, 21.6786, 7.4407



31.2419, 39.1781, 82.2589



14.5343, 14.4309, 15.7478



19.0018, 9.7349, 3.6384



1.4420, 0.7345, 0.4679

Previews

White Background



This preview shows how the XYZ color 34.1482, 17.5036, 6.1361 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 34.1482, 17.5036, 6.1361 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 34.1482, 17.5036, 6.1361

Background



This preview shows how black text looks on a background with the XYZ color 34.1482, 17.5036, 6.1361.



This preview shows how white text looks on a background with the XYZ color 34.1482, 17.5036,

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

34.1482, 17.5036, 6.1361

Protanopia

17.0584, 18.1828, 12.9665

Deuteranopia

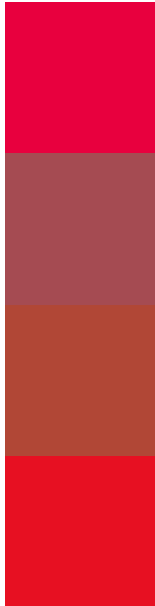
18.2240, 17.9296, 5.5179



Tritanopia

33.4118, 17.7279, 2.2331

Trichromacy



Original Color

34.1482, 17.5036, 6.1361

Protanomaly

19.5561, 13.6407, 9.5848

Deuteranomaly

21.0506, 14.1199, 5.1060

Tritanomaly

33.4290, 17.4750, 3.1245

Monochromacy



Original Color

34.1482, 17.5036, 6.1361

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.8671, 7.5554, 6.7941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1482, 17.5036, 6.1361 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 34.1482, 17.5036, 6.1361 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, 62) }
```


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

```
.border{ border-color:rgb(232, 0, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.1482, 17.5036, 6.1361 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, 62) }
```

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

```
.background{ background-color: rgb(232, 0,  
62) }
```

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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