

Converting Colors

XYZ(33.6139, 17.5490, 4.0983)

Have a look what the booklet for
XYZ(33.6139, 17.5490, 4.0983)
contains.

XYZ(33.6139, 17.5490, 4.0983)	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(33.6139, 17.5490,
4.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	E7102D
RGB	231, 16, 45
RGB Percent	91%, 6%, 18%
CMY	0.0941, 0.9371, 0.8235
CMYK	0.00, 0.93, 0.81, 0.09
HSL	352°, 87%, 48%
HSV	352°, 93%, 91%
XYZ	33.6139, 17.5490, 4.0983
YIQ	83.5910, 118.8310, 54.5990

Conversions

Conversions Part 2

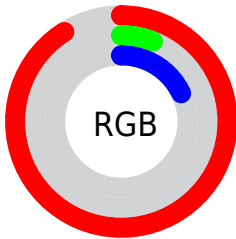
Format	Color
R _Y B	231, 16, 45
Decimal	15142957
CIE Lab	48.94, 73.65, 44.95
CIE LCh	49, 86.286, 31.393
Yxy	17.5490, 0.6083, 0.3176
Android (android.graphics.Color)	4293333037 (0xFFE7102D)
YUV	83.5910, -19.0254, 129.2777
Hunter-Lab	41.8915, 69.9188, 23.5237

Details

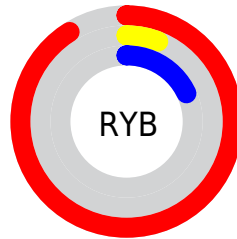
The XYZ color **33.6139, 17.5490, 4.0983** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.4558, 61.5281, 65.7001**, and the grayscale version is **8.3682, 8.8040, 9.5876**.

A 20% lighter version of the original color is **47.3546, 30.3984, 13.4968**, and **15.7259, 8.1070, 0.7360** is the 20% darker color. If you saturate the color by 10%, you get **33.2035, 17.0883, 2.8528**, and if you desaturate by 10%, it is **34.6387, 18.8308, 6.8084**.

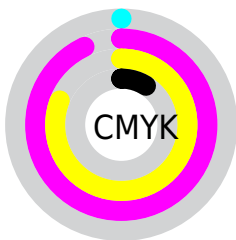
Distribution



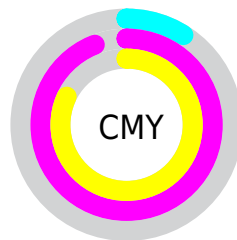
- Red (91%)
- Green (6%)
- Blue (18%)



- Red (91%)
- Yellow (6%)
- Blue (18%)



- Cyan (0%)
- Magenta (93%)
- Yellow (81%)
- Black (9%)





- Cyan (9%)
- Magenta (94%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6139, 17.5490, 4.0983 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 33.6139, 17.5490, 4.0983 by changing the saturation by 10% instead.


 33.6139, 17.5490,
4.0983


 33.6139, 17.5490,
4.0983


310.0233,
238.3165, 149.3118


 22.7586, 10.6267,
1.6794


 64.6811, 39.2673,
14.2358


 14.5351, 5.8164,
0.3466


 85.6237, 54.8321,
22.7916

 8.5779, 2.7338,
0.0000


 110.6595, 74.0465,
34.2300

 4.5218, 0.9944,
0.0000

 140.1538, 97.2949,
48.9697

 2.0014, 0.0000,
0.0000

 174.4720,
124.9617, 67.4292

 0.6347, 0.0000,
0.0000

 213.9794,

 0.0000, 0.0000,

157.4313, 90.0270

0.0000

259.0414,
195.0882, 117.1817

■ 33.6139, 17.5490,
4.0983

■ 33.6139, 17.5490,
4.0983

■ 33.2035, 17.0883,
2.8528

■ 34.6387, 18.8308,
6.8084

■ 36.3294, 21.1161,
10.7506

■ 38.7783, 24.5592,
16.0518

■ 42.0628, 29.2872,
22.8224

■ 46.2505, 35.4103,
31.1616

■ 51.4019, 43.0270,
41.1595

■ 57.5723, 52.2269,
52.8997

■ 64.8129, 63.0923,
66.4599

■ 73.1712, 75.7000,
81.9132

Harmonies

Analogous

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



37.3387, 17.5490, 18.0538



33.6139, 17.5490, 4.0983



25.2082, 17.5490, 0.6037

Triad

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



33.6139, 17.5490, 4.0983



6.4725, 17.5490, 4.8017



17.0577, 17.5490, 106.0230

Complementary

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



33.6139, 17.5490, 4.0983



39.4558, 61.5281, 65.7001

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.



10.3311, 17.5490, 90.0412



33.6139, 17.5490, 4.0983



5.5238, 17.5490, 20.2022

Square

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



33.6139, 17.5490, 4.0983



9.8663, 17.5490, 0.7504



6.6741, 17.5490, 52.5904



26.0734, 17.5490, 87.0559

Rectangle

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



33.6139, 17.5490, 4.0983



19.0961, 17.5490, 0.0000



6.6741, 17.5490, 52.5904



14.4764, 17.5490, 104.5121

Sweetspot

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



33.6143, 17.5501, 4.0985



67.9475, 59.2350, 58.4321



38.0980, 18.2501, 77.1152



13.8541, 11.6525, 11.1895



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.



33.6143, 17.5501, 4.0985



41.5338, 21.3775, 3.4773



36.8135, 24.5562, 3.2915



14.4556, 14.3994, 15.3338



18.6404, 9.5904, 1.7353



1.4029, 0.7189, 0.2621

Inverse Universe

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



33.6143, 17.5501, 4.0985



41.5338, 21.3775, 3.4773



26.4871, 29.5781, 79.9137



14.4556, 14.3994, 15.3338



18.6404, 9.5904, 1.7353



1.4029, 0.7189, 0.2621

Previews

White Background



This preview shows how the XYZ color 33.6139, 17.5490, 4.0983 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 33.6139, 17.5490, 4.0983 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 33.6139, 17.5490, 4.0983

Background



This preview shows how black text looks on a background with the XYZ color 33.6139, 17.5490, 4.0983.



This preview shows how white text looks on a background with the XYZ color 33.6139, 17.5490,

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

33.6139, 17.5490, 4.0983

Protanopia

16.4887, 17.8194, 8.2007

Deuteranopia

18.0950, 17.7439, 3.5081



Tritanopia

33.3679, 17.6767, 2.1052

Trichromacy



Original Color

33.6139, 17.5490, 4.0983

Protanomaly

19.4102, 14.1706, 5.9871

Deuteranomaly

21.2333, 14.7494, 3.2412

Tritanomaly

33.4096, 17.5998, 2.6135

Monochromacy



Original Color

33.6139, 17.5490, 4.0983

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.9860, 8.8885, 6.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6139, 17.5490, 4.0983 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(231, 16, 45)` looks like.

```
.text, #text, p{  
    color:rgb(231, 16, 45)  
}
```

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(231, 16, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 16, 45) }
```

Border

The CSS property to change the border of an element to XYZ 33.6139, 17.5490, 4.0983 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(231, 16, 45) }
```


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

```
.border{ border-color:rgb(231, 16, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 16, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 16, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 16, 45);  
box-shadow:4px 4px 4px 4px rgb(231, 16,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6139, 17.5490, 4.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 16, 45) }
```

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

```
.background{ background-color: rgb(231, 16,  
45) }
```

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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