Converting Colors

XYZ(33.7197, 17.8545, 8.5515)

Have a look what the booklet for XYZ(33.7197, 17.8545, 8.5515) contains.

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Color

XYZ(33.7147, 17.8463, 8.5052)

Conversions

Conversions Part 1

Format	Color
Hex	E41C4C
RGB	228, 28, 76
RGB Percent	89%, 11%, 30%
CMY	0.1059, 0.8901, 0.7020
CMYK	0.00, 0.88, 0.67, 0.11
HSL	346°, 79%, 50%
HSV	346°, 88%, 89%
XYZ	33.7147, 17.8463, 8.5052
YIQ	93.2720, 103.7920, 57.3280

Conversions

Conversions Part 2

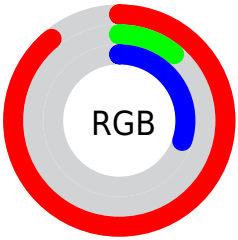
Format	Color
RYB	228, 28, 76
Decimal	14949452
CIELab	49.31, 72.44, 27.11
CIELCh	49, 77.342, 20.517
Yxy	17.8463, 0.5613, 0.2971
Android (android.graphics.Color)	4293139532 (0xFFE41C4C)
YUV	93.2720, -8.5151, 118.1565
Hunter-Lab	42.2449, 68.5283, 17.6345

Details

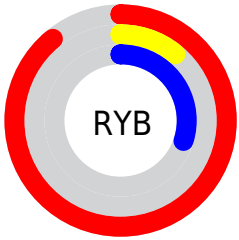
The XYZ color 33.7147, 17.8463, 8.5052 is a dark color, and the websafe version is hex FF3366. The color can be described as dark washed red. A complement of this color would be 36.4635, 59.0300, 52.6650, and the grayscale version is 10.4732, 11.0186, 11.9993.

A 20% lighter version of the original color is 49.4988, 31.8550, 22.9418, and 15.5844, 8.0023, 2.1621 is the 20% darker color. If you saturate the color by 10%, you get 32.8324, 16.9197, 5.6283, and if you desaturate by 10%, it is 35.1614, 19.6425, 12.3710.

Distribution

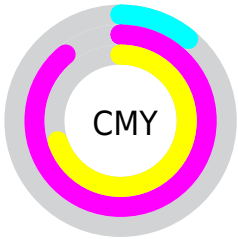


- Red (89%)
- Green (11%)
- Blue (30%)



- Red (89%)
- Yellow (11%)
- Blue (30%)

- Cyan (0%)
- Magenta (88%)
- Yellow (67%)
- Black (11%)



- Cyan (11%)
- Magenta (89%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7147, 17.8463, 8.5052 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 33.7147, 17.8463, 8.5052 by changing the saturation by 10% instead.

33.7147, 17.8463, 8.5052

33.7147, 17.8463, 8.5052

310.4664, 240.0033, 189.7227

22.8364, 10.8397, 4.3275

64.8370, 39.7753, 23.5054

14.5928, 5.9591, 1.8067

85.8117, 55.4664, 35.1649

8.6185, 2.8203, 0.4324

110.8825, 74.8212, 50.1555

4.5483, 1.0386, 0.0000

140.4148, 98.2239, 68.8956

2.0168, 0.0000, 0.0000

174.7740, 126.0592, 91.8039

0.6434, 0.0000, 0.0000

214.3255,

0.0000, 0.0000,

158.7112, 119.2988

0.0000

259.4345, 196.5644, 151.7988

33.7147, 17.8463, 8.5052

33.7147, 17.8463, 8.5052

32.8324, 16.9197, 5.6283

35.1614, 19.6425, 12.3710

32.6771, 16.7669, 5.0907

37.2691, 22.4817, 17.3162

40.1121, 26.4956, 23.4189

43.7540, 31.7954, 30.7489

48.2510, 38.4791, 39.3706

53.6545, 46.6355, 49.3434

60.0116, 56.3456, 60.7231

67.3660, 67.6849, 73.5623

75.7586, 80.7235, 87.9106

Harmonies

Analogous

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

34.8267, 17.8463, 26.8028

33.7147, 17.8463, 8.5052

27.4955, 17.8463, 2.0158

Triad

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

33.7147, 17.8463, 8.5052

8.2981, 17.8463, 3.4725

14.7617, 17.8463, 91.7223

Complementary

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

33.7147, 17.8463, 8.5052

36.4635, 59.0300, 52.6650

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.

9.5352, 17.8463, 69.6133

33.7147, 17.8463, 8.5052

6.5719, 17.8463, 13.5533

Square

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

33.7147, 17.8463, 8.5052

12.5189, 17.8463, 0.8795

6.9486, 17.8463, 37.1149

22.3496, 17.8463, 86.2283

Rectangle

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

33.7147, 17.8463, 8.5052

22.0656, 17.8463, 0.8461

6.9486, 17.8463, 37.1149

12.7137, 17.8463, 86.8978

Sweetspot

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

33.7151, 17.8474, 8.5055

70.3450, 61.9150, 65.7517

32.7808, 15.8988, 74.7394

14.4938, 12.3975, 13.0504

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.

33.7151, 17.8474, 8.5055

42.0871, 21.5988, 6.3906

34.9304, 22.0293, 3.5112

14.5180, 14.4244, 15.6623

18.9079, 9.6974, 3.1438

1.4331, 0.7309, 0.4210

Inverse Universe

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

33.7151, 17.8474, 8.5055

42.0871, 21.5988, 6.3906

30.4047, 37.6918, 79.0712

14.5180, 14.4244, 15.6623

18.9079, 9.6974, 3.1438

1.4331, 0.7309, 0.4210

Previews

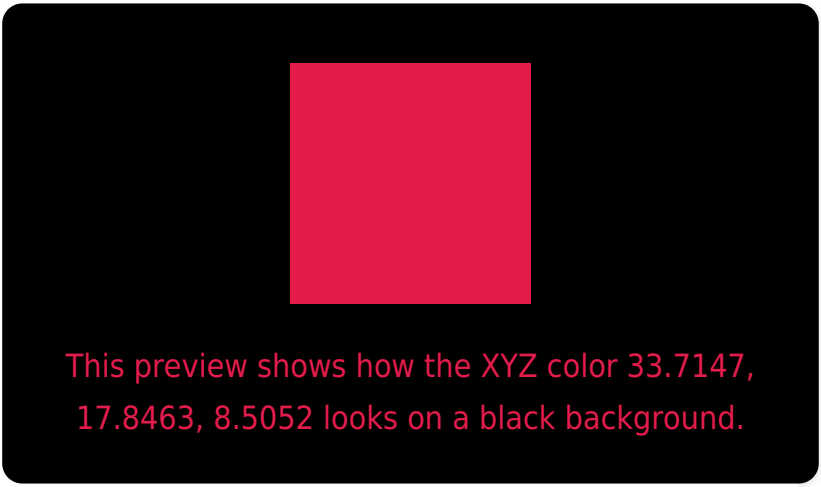
White Background

This preview shows how the XYZ color 33.7147, 17.8463, 8.5052 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

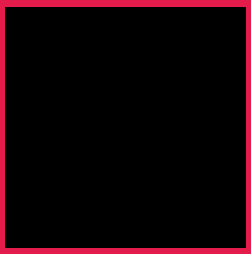


Color Contrast Check

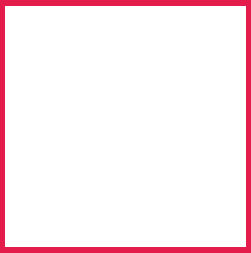
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 33.7147, 17.8463, 8.5052 Background



This preview shows how black text looks on a background with the XYZ color 33.7147, 17.8463, 8.5052.



This preview shows how white text looks on a background with the XYZ color 33.7147, 17.8463,

8.5052.

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

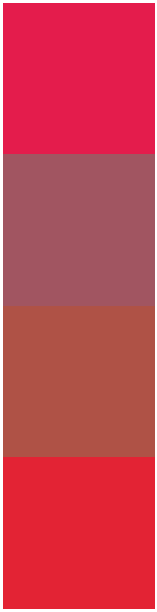
Original Color
33.7147, 17.8463, 8.5052

Protanopia
17.2648, 18.1986, 17.0707

Deuteranopia
18.3901, 18.1329, 7.6850

Tritanopia
32.7539, 17.9219, 3.5667

Trichromacy



Original Color
33.7147, 17.8463, 8.5052

Protanomaly
20.1041, 14.9371, 13.1328

Deuteranomaly
21.8020, 15.5907, 7.6546

Tritanomaly
32.8994, 17.7809, 4.9469

Monochromacy

Original Color
33.7147, 17.8463, 8.5052

Achromatopsia
10.4043, 10.9462, 11.9204

Achromatomaly
15.0038, 10.6951, 10.2904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7147, 17.8463, 8.5052 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(228, 28, 76) looks like.

```
.text, #text, p{
    color:rgb(228, 28, 76)
}
```

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(228, 28, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 28, 76) }
```

Border

The CSS property to change the border of an element to XYZ 33.7147, 17.8463, 8.5052 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(228, 28, 76) }
```

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

```
.border{ border-color:rgb(228, 28, 76) }
```

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

Here you see how a box with a 4 pixel rgb(228, 28, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 28, 76); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 28, 76); box-shadow:4px 4px 4px 4px rgb(228, 28, 76) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7147, 17.8463, 8.5052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(228, 28, 76) }
```

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

```
.background{ background-color:rgb(228, 28,
76) }
```

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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