

Converting Colors

XYZ(33.1052, 17.5656, 4.1700)

Have a look what the booklet for
XYZ(33.1052, 17.5656, 4.1700)
contains.

XYZ(33.1561, 17.5863, 4.1296)	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(33.1561, 17.5863,
4.1296)**

Conversions

Conversions Part 1

Format	Color
Hex	E51A2D
RGB	229, 26, 45
RGB Percent	90%, 10%, 18%
CMY	0.1020, 0.8979, 0.8235
CMYK	0.00, 0.89, 0.80, 0.10
HSL	354°, 80%, 50%
HSV	354°, 89%, 90%
XYZ	33.1561, 17.5863, 4.1296
YIQ	88.8630, 114.8890, 48.9450

Conversions

Conversions Part 2

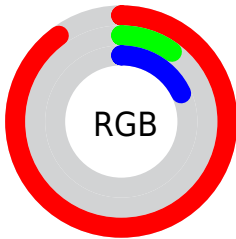
Format	Color
R _Y B	229, 26, 45
Decimal	15014445
CIE Lab	48.99, 71.84, 44.86
CIE LCh	49, 84.697, 31.979
Yxy	17.5863, 0.6042, 0.3205
Android (android.graphics.Color)	4293204525 (0xFFE51A2D)
YUV	88.8630, -21.6245, 122.9001
Hunter-Lab	41.9360, 67.7404, 23.5167

Details

The XYZ color **33.1561, 17.5863, 4.1296** 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 **40.0821, 60.9126, 70.6358**, and the grayscale version is **9.4970, 9.9915, 10.8808**.

A 20% lighter version of the original color is **47.6336, 30.9564, 13.5898**, and **15.3098, 7.8925, 0.7165** is the 20% darker color. If you saturate the color by 10%, you get **32.5141, 16.7927, 2.4050**, and if you desaturate by 10%, it is **34.3844, 19.2391, 7.0185**.

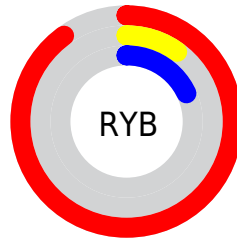
Distribution



Red (90%)

Green (10%)

Blue (18%)



Red (90%)

Yellow (10%)

Blue (18%)

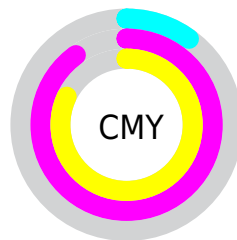


Cyan (0%)

Magenta (89%)

Yellow (80%)

Black (10%)



Cyan (10%)


Magenta (90%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1561, 17.5863, 4.1296 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 33.1561, 17.5863, 4.1296 by changing the saturation by 10% instead.

 33.1561, 17.5863,
4.1296


 33.1561, 17.5863,
4.1296


308.0051,
238.5288, 149.6552


 22.4059, 10.6534,
1.6967


 63.9722, 39.3311,
14.3076


 14.2737, 5.8343,
0.3585


 84.7688, 54.9118,
22.8897

 8.3942, 2.7446,
0.0000


 109.6449, 74.1439,
34.3587

 4.4022, 0.9999,
0.0000

 138.9658, 97.4117,
49.1331

 1.9321, 0.0000,
0.0000

 173.0969,
125.0997, 67.6314

 0.5954, 0.0000,
0.0000

 212.4036,

 0.0000, 0.0000,

157.5923, 90.2721

0.0000

257.2512,
195.2739, 117.4739

■ 33.1561, 17.5863,
4.1296

■ 33.1561, 17.5863,
4.1296

■ 32.5141, 16.7927,
2.4050

■ 34.3844, 19.2391,
7.0185

■ 32.4519, 16.7135,
2.2449

■ 36.3198, 21.9508,
11.2369

■ 39.0492, 25.8610,
16.9206

■ 42.6464, 31.0871,
24.1881

■ 47.1770, 37.7325,
33.1459

■ 52.7002, 45.8904,
43.8913

■ 59.2700, 55.6460,
56.5140

■ 66.9369, 67.0781,
71.0978

■ 75.7478, 80.2604,
87.7214

Harmonies

Analogous

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



36.9074, 17.5863, 17.6879



33.1561, 17.5863, 4.1296



24.8977, 17.5863, 0.6780

Triad

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



33.1561, 17.5863, 4.1296



6.5856, 17.5863, 5.1357



17.2443, 17.5863, 103.5801

Complementary

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



33.1561, 17.5863, 4.1296



40.0821, 60.9126, 70.6358

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.



10.5563, 17.5863, 88.7454



33.1561, 17.5863, 4.1296



5.6802, 17.5863, 20.6873

Square

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



33.1561, 17.5863, 4.1296



9.9028, 17.5863, 0.8825



6.8710, 17.5863, 52.5787



26.0992, 17.5863, 84.6424

Rectangle

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



33.1561, 17.5863, 4.1296



18.9214, 17.5863, 0.0418



6.8710, 17.5863, 52.5787



14.6876, 17.5863, 102.3557

Sweetspot

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



33.1565, 17.5874, 4.1298



68.4099, 60.2728, 58.2380



40.7230, 19.9091, 75.8245



14.0784, 12.0654, 11.3747



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.



33.1565, 17.5874, 4.1298



41.4031, 21.3253, 2.7891



37.7799, 27.2933, 4.2559



14.4314, 14.3898, 15.2063



18.5738, 9.5637, 1.3845



1.3914, 0.7143, 0.2014

Inverse Universe

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



33.1565, 17.5874, 4.1298



41.4031, 21.3253, 2.7891



25.1298, 26.9977, 78.0146



14.4314, 14.3898, 15.2063



18.5738, 9.5637, 1.3845



1.3914, 0.7143, 0.2014

Previews

White Background



This preview shows how the XYZ color 33.1561, 17.5863, 4.1296 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 33.1561, 17.5863, 4.1296 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 33.1561, 17.5863, 4.1296

Background



This preview shows how black text looks on a background with the XYZ color 33.1561, 17.5863, 4.1296.



This preview shows how white text looks on a background with the XYZ color 33.1561, 17.5863,

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

33.1561, 17.5863, 4.1296

Protanopia

16.4579, 17.8071, 8.0385

Deuteranopia

18.1068, 17.7486, 3.5701



Tritanopia

32.9528, 17.6567, 2.5910

Trichromacy



Original Color

33.1561, 17.5863, 4.1296

Protanomaly

19.5030, 14.6662, 6.0779

Deuteranomaly

21.2889, 15.1999, 3.3252

Tritanomaly

33.0132, 17.6410, 3.0316

Monochromacy



Original Color

33.1561, 17.5863, 4.1296

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

13.9660, 9.9529, 7.4883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1561, 17.5863, 4.1296 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(229, 26, 45)` looks like.

```
.text, #text, p{  
    color:rgb(229, 26, 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(229, 26, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 26, 45) }
```

Border

The CSS property to change the border of an element to XYZ 33.1561, 17.5863, 4.1296 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(229, 26, 45) }
```


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

```
.border{ border-color:rgb(229, 26, 45) }
```

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

Here you see how a box with a 4 pixel rgb(229, 26, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 26, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 26, 45);  
box-shadow:4px 4px 4px 4px rgb(229, 26,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1561, 17.5863, 4.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 26, 45) }
```

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

```
.background{ background-color: rgb(229, 26,  
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](#).

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