

Converting Colors

XYZ(34.9774, 21.8119, 5.2265)

Have a look what the booklet for
XYZ(34.9774, 21.8119, 5.2265)
contains.

XYZ(35.1337, 21.8846, 5.2781)	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(35.1337, 21.8846,
5.2781)**

Conversions

Conversions Part 1

Format	Color
Hex	E44C31
RGB	228, 76, 49
RGB Percent	89%, 30%, 19%
CMY	0.1059, 0.7019, 0.8078
CMYK	0.00, 0.67, 0.79, 0.11
HSL	9°, 77%, 54%
HSV	9°, 79%, 89%
XYZ	35.1337, 21.8846, 5.2781
YIQ	118.3700, 99.2590, 23.8270

Conversions

Conversions Part 2

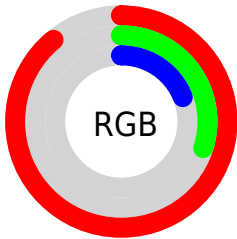
Format	Color
R _Y B	228, 81, 49
Decimal	14961713
CIE Lab	53.90, 57.53, 47.60
CIE LCh	54, 74.667, 39.607
Yxy	21.8846, 0.5640, 0.3513
Android (android.graphics.Color)	4293151793 (0xFFE44C31)
YUV	118.3700, -34.1994, 96.1455
Hunter-Lab	46.7810, 52.1913, 26.0572

Details

The XYZ color **35.1337, 21.8846, 5.2781** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **36.1544, 48.0230, 80.7620**, and the grayscale version is **17.4194, 18.3265, 19.9576**.

A 20% lighter version of the original color is **51.6489, 38.6256, 16.0425**, and **15.3262, 7.9164, 0.7490** is the 20% darker color. If you saturate the color by 10%, you get **33.6293, 19.4611, 2.9730**, and if you desaturate by 10%, it is **37.2835, 25.2103, 8.9979**.

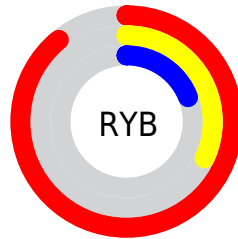
Distribution



Red (89%)

Green (30%)

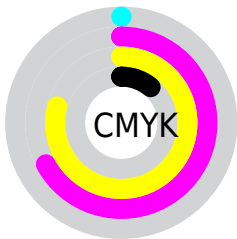
Blue (19%)



Red (89%)

Yellow (32%)

Blue (19%)

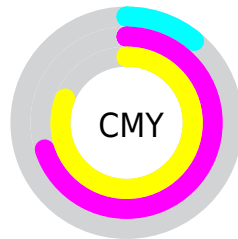


Cyan (0%)

Magenta (67%)

Yellow (79%)

Black (11%)



Cyan (11%)


Magenta (70%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1337, 21.8846, 5.2781 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 35.1337, 21.8846, 5.2781 by changing the saturation by 10% instead.


 35.1337, 21.8846,
5.2781


 35.1337, 21.8846,
5.2781


316.6558,
261.9430, 161.5192


 23.9329, 13.7721,
2.3498


 67.0255, 46.5552,
16.8641

 15.4083, 7.9623,
0.7589


 88.4472, 63.8821,
26.3588

 9.1946, 4.0709,
0.0000


 114.0065, 85.0493,
38.8794

 4.9265, 1.7133,
0.0000

 144.0689,
110.4411, 54.8443

 2.2385, 0.4322,
0.0000

 178.9997,
140.4420, 74.6723

 0.7629, 0.0000,
0.0000

 219.1642,

 0.0000, 0.0000,

175.4364, 98.7817

0.0000

264.9277,
215.8086, 127.5912

■ 35.1337, 21.8846,
5.2781

■ 35.1337, 21.8846,
5.2781

■ 33.6293, 19.4611,
2.9730

■ 37.2835, 25.2103,
8.9979

■ 32.6839, 17.8426,
1.8190


■ 40.1420, 29.5127,
14.3123


■ 32.5783, 17.6611,
1.6919


■ 43.7665, 34.8624,
21.3757


■ 48.2079, 41.3228,
30.3238

■ 53.5124, 48.9518,
41.2788

 59.7229, 57.8035,
54.3526

 66.8793, 67.9285,
69.6490

 75.0194, 79.3746,
87.2649

 84.1784, 92.1870,
107.2912

Harmonies

Analogous

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



40.0760, 21.8846, 17.1757



35.1337, 21.8846, 5.2781



26.6678, 21.8846, 1.7568

Triad

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



35.1337, 21.8846, 5.2781



9.4123, 21.8846, 11.4881



23.4894, 21.8846, 99.5966

Complementary

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



35.1337, 21.8846, 5.2781



36.1544, 48.0230, 80.7620

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.



15.8641, 21.8846, 94.1095



35.1337, 21.8846, 5.2781



8.9758, 21.8846, 32.0096

Square

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



35.1337, 21.8846, 5.2781



12.4178, 21.8846, 3.4030



11.0167, 21.8846, 64.6804



32.2983, 21.8846, 76.8251

Rectangle

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



35.1337, 21.8846, 5.2781



20.9070, 21.8846, 1.3127



11.0167, 21.8846, 64.6804



20.6947, 21.8846, 101.2140

Sweetspot

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



35.1342, 21.8859, 5.2784



72.3192, 67.8742, 60.2107



43.6532, 22.9146, 57.4727



14.8873, 13.6824, 11.6468



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.



35.1342, 21.8859, 5.2784



42.5328, 23.7042, 2.7969



46.0674, 43.7522, 8.9228



14.5516, 14.7172, 14.9782



18.8655, 10.3051, 0.9948



1.4488, 0.8709, 0.0917

Inverse Universe

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



36.1544, 48.0230, 80.7620



43.5395, 57.8992, 103.4886



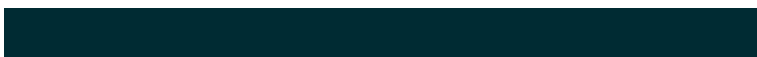
21.0258, 17.7657, 75.7191



14.6125, 15.9463, 18.4521



19.2441, 25.5503, 46.3006



1.4725, 1.9890, 3.4383

Previews

White Background



This preview shows how the XYZ color 35.1337, 21.8846, 5.2781 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.1337, 21.8846, 5.2781 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 35.1337, 21.8846, 5.2781

Background



This preview shows how black text looks on a background with the XYZ color 35.1337, 21.8846, 5.2781.



This preview shows how white text looks on a background with the XYZ color 35.1337, 21.8846,

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

35.1337, 21.8846, 5.2781

Protanopia

20.1034, 21.9103, 8.0200

Deuteranopia

22.3172, 21.9809, 4.8168



Tritanopia

36.0001, 21.9449, 9.1758

Trichromacy



Original Color

35.1337, 21.8846, 5.2781

Protanomaly

23.8209, 20.4663, 6.8326

Deuteranomaly

25.8040, 20.9073, 4.7733

Tritanomaly

35.7452, 21.9489, 7.5068

Monochromacy



Original Color

35.1337, 21.8846, 5.2781

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.9266, 17.7599, 12.6810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1337, 21.8846, 5.2781 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, 76, 49)` looks like.

```
.text, #text, p{  
    color:rgb(228, 76, 49)  
}
```

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, 76, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 76, 49) }
```

Border

The CSS property to change the border of an element to XYZ 35.1337, 21.8846, 5.2781 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, 76, 49) }
```


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

```
.border{ border-color:rgb(228, 76, 49) }
```

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

Here you see how a box with a 4 pixel rgb(228, 76, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 76, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 76, 49);  
box-shadow:4px 4px 4px 4px rgb(228, 76,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1337, 21.8846, 5.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 76, 49) }
```

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

```
.background{ background-color: rgb(228, 76,  
49) }
```

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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