

Converting Colors

XYZ(34.5835, 21.3288, 9.5137)

Have a look what the booklet for
XYZ(34.5835, 21.3288, 9.5137)
contains.

XYZ(34.5644, 21.2949, 9.4963)	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(34.5644, 21.2949,
9.4963)**

Conversions

Conversions Part 1

Format	Color
Hex	E04A4E
RGB	224, 74, 78
RGB Percent	88%, 29%, 31%
CMY	0.1216, 0.7098, 0.6941
CMYK	0.00, 0.67, 0.65, 0.12
HSL	358°, 71%, 58%
HSV	358°, 67%, 88%
XYZ	34.5644, 21.2949, 9.4963
YIQ	119.3060, 88.1160, 33.0440

Conversions

Conversions Part 2

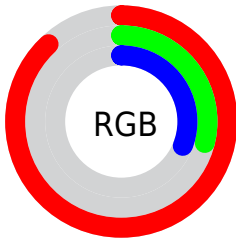
Format	Color
R_{YB}	224, 74, 78
Decimal	14699086
CIE _{Lab}	53.27, 58.31, 30.74
CIE _{LCh}	53, 65.914, 27.797
Yxy	21.2949, 0.5289, 0.3258
Android (android.graphics.Color)	4292889166 (0xFFE04A4E)
YUV	119.3060, -20.3639, 91.8166
Hunter-Lab	46.1464, 52.9432, 20.1014

Details

The XYZ color **34.5644, 21.2949, 9.4963** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.3997, 59.9350, 77.0500**, and the grayscale version is **17.6756, 18.5962, 20.2512**.

A 20% lighter version of the original color is **53.0534, 38.7576, 24.7634**, and **15.1890, 7.7969, 2.2178** is the 20% darker color. If you saturate the color by 10%, you get **32.6696, 18.5559, 5.6264**, and if you desaturate by 10%, it is **37.2514, 25.2042, 14.9086**.

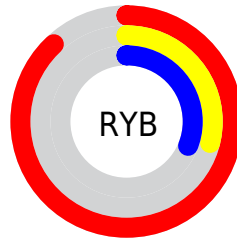
Distribution



Red (88%)

Green (29%)

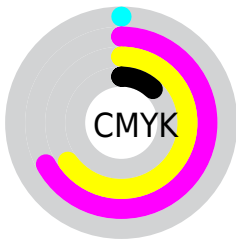
Blue (31%)



Red (88%)

Yellow (29%)

Blue (31%)

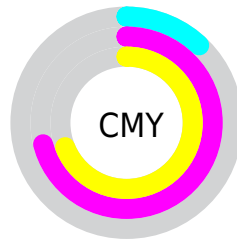


Cyan (0%)

Magenta (67%)

Yellow (65%)

Black (12%)



Cyan (12%)


Magenta (71%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5644, 21.2949, 9.4963 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 34.5644, 21.2949, 9.4963 by changing the saturation by 10% instead.


 34.5644, 21.2949,
9.4963


 34.5644, 21.2949,
9.4963


314.1832,
258.8416, 197.3907


 23.4925, 13.3397,
4.9651


 66.1489, 45.5778,
25.4365

 15.0802, 7.6629,
2.1684


 87.3921, 62.6744,
37.6826


 8.9624, 3.8800,
0.6561


 112.7565, 83.5868,
53.3374

 4.7736, 1.6067,
0.0000

 142.6074,
108.6996, 72.8194

 2.1484, 0.3621,
0.0000

 177.3102,
138.3970, 96.5472

 0.7153, 0.0000,
0.0000

217.2302,

 0.0000, 0.0000,

173.0636, 124.9393

0.0000

262.7327,
213.0837, 158.4143

■ 34.5644, 21.2949,
9.4963

■ 34.5644, 21.2949,
9.4963

■ 32.6696, 18.5559,
5.6264

■ 37.2514, 25.2042,
14.9086

■ 31.4793, 16.8540,
3.1373

■ 40.8031, 30.3910,
22.0009


■ 30.8842, 16.0230,
1.8320


■ 45.2853, 36.9545,
30.8968


■ 30.7730, 15.8603,
1.6106

■ 50.7572, 44.9830,
41.7080

■ 57.2730, 54.5577,
54.5372

 64.8830, 65.7536,
69.4795

 73.6342, 78.6409,
86.6245

 83.5709, 93.2857,
106.0561

 84.5503, 94.5872,
108.4086

Harmonies

Analogous

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



36.8070, 21.2949, 24.6940



34.5644, 21.2949, 9.4963



28.2572, 21.2949, 3.5110

Triad

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



34.5644, 21.2949, 9.4963



10.8845, 21.2949, 8.1550



19.7292, 21.2949, 86.5930

Complementary

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



34.5644, 21.2949, 9.4963



42.3997, 59.9350, 77.0500

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.



13.9040, 21.2949, 73.2018



34.5644, 21.2949, 9.4963



9.5830, 21.2949, 21.7417

Square

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



34.5644, 21.2949, 9.4963



14.6106, 21.2949, 3.1081



10.5473, 21.2949, 46.0919



27.1568, 21.2949, 76.4243

Rectangle

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



34.5644, 21.2949, 9.4963



23.2079, 21.2949, 2.2653



10.5473, 21.2949, 46.0919



17.5368, 21.2949, 84.5889

Sweetspot

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



34.5649, 21.2961, 9.4966



73.8955, 68.8708, 67.3825



45.1173, 25.3407, 73.0339



15.2836, 13.9579, 13.3733



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.



34.5649, 21.2961, 9.4966



43.1482, 23.9174, 6.1389



41.9507, 36.2898, 11.2739



13.7219, 13.7064, 14.3060



17.9188, 9.2345, 0.9725



1.2473, 0.6422, 0.0952

Inverse Universe

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



34.5649, 21.2961, 9.4966



43.1482, 23.9174, 6.1389



27.8356, 29.9506, 74.8346



13.7219, 13.7064, 14.3060



17.9188, 9.2345, 0.9725



1.2473, 0.6422, 0.0952

Previews

White Background



This preview shows how the XYZ color 34.5644, 21.2949, 9.4963 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 34.5644, 21.2949, 9.4963 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 34.5644, 21.2949, 9.4963

Background



This preview shows how black text looks on a background with the XYZ color 34.5644, 21.2949, 9.4963.



This preview shows how white text looks on a background with the XYZ color 34.5644, 21.2949,

9.4963.

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

34.5644, 21.2949, 9.4963

Protanopia

20.1246, 21.5734, 14.9078

Deuteranopia

21.7753, 21.4292, 8.7829



Tritanopia

34.5644, 21.2949, 9.4963

Trichromacy



Original Color

34.5644, 21.2949, 9.4963

Protanomaly

23.3993, 19.8053, 12.4871

Deuteranomaly

25.3102, 20.4079, 8.9085

Tritanomaly

34.5644, 21.2949, 9.4963

Monochromacy



Original Color

34.5644, 21.2949, 9.4963

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.2536, 17.8681, 15.4254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5644, 21.2949, 9.4963 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(224, 74, 78)` looks like.

```
.text, #text, p{  
    color:rgb(224, 74, 78)  
}
```

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(224, 74, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 74, 78) }
```

Border

The CSS property to change the border of an element to XYZ 34.5644, 21.2949, 9.4963 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(224, 74, 78) }
```


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

```
.border{ border-color:rgb(224, 74, 78) }
```

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

Here you see how a box with a 4 pixel rgb(224, 74, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 74, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 74, 78);  
box-shadow:4px 4px 4px 4px rgb(224, 74,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5644, 21.2949, 9.4963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 74, 78) }
```

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

```
.background{ background-color: rgb(224, 74,  
78) }
```

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