

Converting Colors

XYZ(35.6703, 20.9608, 4.3205)

Have a look what the booklet for
XYZ(35.6703, 20.9608, 4.3205)
contains.

XYZ(35.7997, 21.0458, 4.3659)	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(35.7997, 21.0458,
4.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	E93F2A
RGB	233, 63, 42
RGB Percent	91%, 25%, 16%
CMY	0.0863, 0.7529, 0.8353
CMYK	0.00, 0.73, 0.82, 0.09
HSL	7°, 81%, 54%
HSV	7°, 82%, 91%
XYZ	35.7997, 21.0458, 4.3659
YIQ	111.4360, 108.0610, 29.5090

Conversions

Conversions Part 2

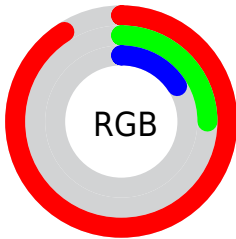
Format	Color
R_{YB}	233, 66, 42
Decimal	15286058
CIE _{Lab}	53.00, 63.68, 50.51
CIE _{LCh}	53, 81.279, 38.421
Yxy	21.0458, 0.5849, 0.3438
Android (android.graphics.Color)	4293476138 (0xFFE93F2A)
YUV	111.4360, -34.2319, 106.6116
Hunter-Lab	45.8757, 59.0123, 26.4705

Details

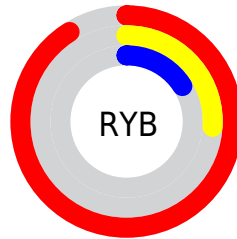
The XYZ color **35.7997, 21.0458, 4.3659** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.2033, 53.4564, 85.3421**, and the grayscale version is **15.3122, 16.1097, 17.5434**.

A 20% lighter version of the original color is **50.0450, 35.9173, 13.9679**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.5568, 19.0451, 2.4575**, and if you desaturate by 10%, it is **37.7178, 24.0104, 7.6934**.

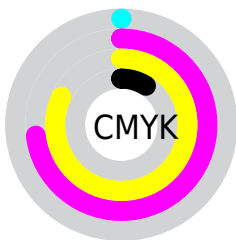
Distribution



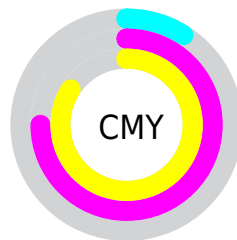
- Red (91%)
- Green (25%)
- Blue (16%)



- Red (91%)
- Yellow (26%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (82%)
- Black (9%)





- Cyan (9%)
- Magenta (75%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7997, 21.0458, 4.3659 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 35.7997, 21.0458, 4.3659 by changing the saturation by 10% instead.


 35.7997, 21.0458,
4.3659


 35.7997, 21.0458,
4.3659


319.5308,
257.5218, 152.2094


 24.4489, 13.1575,
1.8281


 68.0487, 45.1637,
14.8452

 15.7935, 7.5371,
0.4464


 89.6776, 62.1622,
23.6238

 9.4681, 3.8002,
0.0000


 115.4633, 82.9661,
35.3199

 5.1073, 1.5624,
0.0000

 145.7711,
107.9599, 50.3518

 2.3457, 0.3321,
0.0000

 180.9664,
137.5279, 69.1382

 0.8179, 0.0000,
0.0000

 221.4146,

 0.0000, 0.0000,

172.0547, 92.0975

0.0000

267.4809,
211.9245, 119.6485

■ 35.7997, 21.0458,
4.3659

■ 35.7997, 21.0458,
4.3659

■ 34.5568, 19.0451,
2.4575

■ 37.7178, 24.0104,
7.6934


■ 33.9653, 18.0461,
1.6931


■ 40.3899, 28.0368,
12.6465

■ 43.8850, 33.2148,
19.3985


■ 48.2640, 39.6237,
28.1003

■ 53.5819, 47.3357,
38.8869

 59.8893, 56.4173,
51.8812

 67.2329, 66.9307,
67.1967

 75.6568, 78.9341,
84.9390

 85.2021, 92.4825,
105.2071

Harmonies

Analogous

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



41.0078, 21.0458, 16.7019



35.7997, 21.0458, 4.3659



26.6615, 21.0458, 1.1112

Triad

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



35.7997, 21.0458, 4.3659



8.3001, 21.0458, 9.6182



22.5027, 21.0458, 107.8539

Complementary

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



35.7997, 21.0458, 4.3659



39.2033, 53.4564, 85.3421

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.



14.5577, 21.0458, 100.2187



35.7997, 21.0458, 4.3659



7.7707, 21.0458, 30.5053

Square

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



35.7997, 21.0458, 4.3659



11.4446, 21.0458, 2.2999



9.7093, 21.0458, 66.2504



32.0240, 21.0458, 82.9253

Rectangle

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



35.7997, 21.0458, 4.3659



20.4586, 21.0458, 0.7082



9.7093, 21.0458, 66.2504



19.5550, 21.0458, 109.2320

Sweetspot

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



35.8002, 21.0471, 4.3662



70.9258, 65.5411, 58.3471



46.5568, 23.8294, 65.6967



14.5954, 13.1853, 11.2821



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.



35.8002, 21.0471, 4.3662



41.8005, 22.3363, 2.2547



46.0114, 41.4695, 7.7700



15.1989, 15.3207, 15.6748



19.3165, 10.3272, 0.9753



1.5612, 0.8998, 0.0914

Inverse Universe

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



39.2033, 53.4564, 85.3421



45.7224, 62.4701, 104.2558



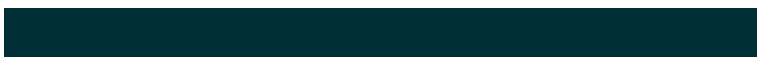
22.1885, 19.4268, 79.6705



15.3679, 16.8223, 19.3593



21.1138, 28.8746, 48.2035



1.6984, 2.3483, 3.7986

Previews

White Background



This preview shows how the XYZ color 35.7997, 21.0458, 4.3659 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 35.7997, 21.0458, 4.3659 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 35.7997, 21.0458, 4.3659

Background



This preview shows how black text looks on a background with the XYZ color 35.7997, 21.0458, 4.3659.



This preview shows how white text looks on a background with the XYZ color 35.7997, 21.0458,

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

35.7997, 21.0458, 4.3659

Protanopia

19.3633, 21.1572, 7.2009

Deuteranopia

21.3785, 20.9725, 3.7855



Tritanopia

36.4447, 21.0830, 6.8512

Trichromacy



Original Color

35.7997, 21.0458, 4.3659

Protanomaly

23.0485, 19.1563, 5.8509

Deuteranomaly

25.2027, 19.5874, 3.7487

Tritanomaly

36.2900, 21.1057, 5.7755

Monochromacy



Original Color

35.7997, 21.0458, 4.3659

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.2000, 15.6459, 10.8121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7997, 21.0458, 4.3659 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(233, 63, 42)` looks like.

```
.text, #text, p{  
    color:rgb(233, 63, 42)  
}
```

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(233, 63, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 63, 42) }
```

Border

The CSS property to change the border of an element to XYZ 35.7997, 21.0458, 4.3659 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(233, 63, 42) }
```


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

```
.border{ border-color:rgb(233, 63, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 63, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 63, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 63, 42);  
box-shadow:4px 4px 4px 4px rgb(233, 63,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7997, 21.0458, 4.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 63, 42) }
```

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

```
.background{ background-color: rgb(233, 63,  
42) }
```

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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