

Converting Colors

XYZ(36.3779, 21.2201, 3.7277)

Have a look what the booklet for
XYZ(36.3779, 21.2201, 3.7277)
contains.

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Color

**XYZ(36.2184, 21.1151,
3.6801)**

Conversions

Conversions Part 1

Format	Color
Hex	EB3D22
RGB	235, 61, 34
RGB Percent	92%, 24%, 13%
CMY	0.0784, 0.7607, 0.8667
CMYK	0.00, 0.74, 0.86, 0.08
HSL	8°, 83%, 53%
HSV	8°, 86%, 92%
XYZ	36.2184, 21.1151, 3.6801
YIQ	109.9480, 112.3710, 28.4910

Conversions

Conversions Part 2

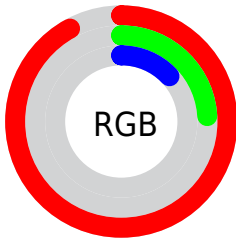
Format	Color
RYB	235, 65, 34
Decimal	15416610
CIELab	53.08, 64.76, 54.43
CIELCh	53, 84.593, 40.049
Yxy	21.1151, 0.5936, 0.3461
Android (android.graphics.Color)	4293606690 (0xFFEB3D22)
YUV	109.9480, -37.4424, 109.6706
Hunter-Lab	45.9512, 60.2779, 27.4174

Details

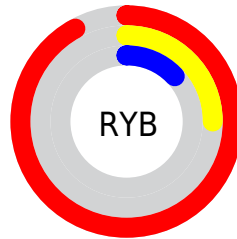
The XYZ color **36.2184, 21.1151, 3.6801** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **38.2079, 51.4441, 86.5126**, and the grayscale version is **14.8890, 15.6644, 17.0585**.

A 20% lighter version of the original color is **49.5178, 35.3175, 12.3907**, and **16.5776, 8.5460, 0.7758** is the 20% darker color. If you saturate the color by 10%, you get **35.0998, 19.2483, 2.1670**, and if you desaturate by 10%, it is **37.9806, 23.9002, 6.5482**.

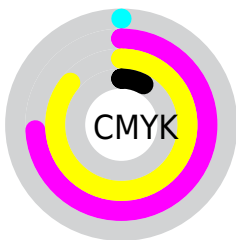
Distribution



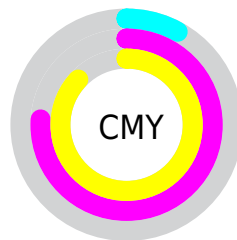
- Red (92%)
- Green (24%)
- Blue (13%)



- Red (92%)
- Yellow (25%)
- Blue (13%)



- Cyan (0%)
- Magenta (74%)
- Yellow (86%)
- Black (8%)





- Cyan (8%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2184, 21.1151, 3.6801 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 36.2184, 21.1151, 3.6801 by changing the saturation by 10% instead.


 36.2184, 21.1151,
3.6801


 36.2184, 21.1151,
3.6801


321.3287,
257.8896, 144.6004


 24.7738, 13.2082,
1.4515


 68.6907, 45.2790,
13.2650

 16.0364, 7.5720,
0.1814


 90.4491, 62.3048,
21.4584


 9.6410, 3.8224,
0.0000


 116.3762, 83.1389,
32.4772

 5.2220, 1.5747,
0.0000

 146.8373,
108.1659, 46.7398

 2.4142, 0.3404,
0.0000

 182.1977,
137.7700, 64.6650

 0.8522, 0.0000,
0.0000

 222.8228,

 0.0000, 0.0000,

172.3358, 86.6711

0.0000

269.0781,
212.2475, 113.1767

36.2184, 21.1151,
3.6801

36.2184, 21.1151,
3.6801

35.0998, 19.2483,
2.1670

37.9806, 23.9002,
6.5482


34.7660, 18.6726,
1.7718


40.4675, 27.6993,
10.9985


43.7492, 32.6002,
17.2172


47.8867, 38.6799,
25.3645

52.9353, 46.0085,
35.5825

 58.9453, 54.6506,
47.9998

 65.9635, 64.6662,
62.7347

 74.0335, 76.1118,
79.8969

 83.1963, 89.0405,
99.5892

Harmonies

Analogous

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



42.0647, 21.1151, 15.4579



36.2184, 21.1151, 3.6801



26.4903, 21.1151, 0.8384

Triad

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



36.2184, 21.1151, 3.6801



7.9017, 21.1151, 9.9985



23.2046, 21.1151, 112.8344

Complementary

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



36.2184, 21.1151, 3.6801



38.2079, 51.4441, 86.5126

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.



14.7800, 21.1151, 106.6313



36.2184, 21.1151, 3.6801



7.4983, 21.1151, 32.6427

Square

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



36.2184, 21.1151, 3.6801



10.9520, 21.1151, 2.1839



9.6161, 21.1151, 71.1159



33.2110, 21.1151, 84.5797

Rectangle

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



36.2184, 21.1151, 3.6801



20.0546, 21.1151, 0.4835



9.6161, 21.1151, 71.1159



20.0840, 21.1151, 115.0189

Sweetspot

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



36.2189, 21.1164, 3.6804



70.4978, 65.1311, 56.8295



46.2425, 23.3701, 61.8769



14.5270, 13.1338, 10.9965



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.



36.2189, 21.1164, 3.6804



41.8197, 22.4195, 2.1232



47.3468, 43.3723, 7.3897



15.2287, 15.3803, 15.6848



19.4013, 10.4968, 1.0035



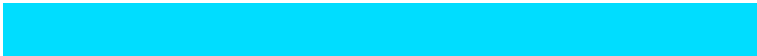
1.5754, 0.9281, 0.0961

Inverse Universe

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



38.2079, 51.4441, 86.5126



43.8356, 58.7912, 103.6452



20.9861, 17.0003, 80.7719



15.3350, 16.7565, 19.3483



20.3552, 27.3573, 47.9506



1.6462, 2.2439, 3.7812

Previews

White Background



This preview shows how the XYZ color 36.2184, 21.1151, 3.6801 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 36.2184, 21.1151, 3.6801 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 36.2184, 21.1151, 3.6801

Background



This preview shows how black text looks on a background with the XYZ color 36.2184, 21.1151, 3.6801.



This preview shows how white text looks on a background with the XYZ color 36.2184, 21.1151,

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

36.2184, 21.1151, 3.6801

Protanopia

19.3204, 21.1598, 6.0836

Deuteranopia

21.5353, 21.2518, 2.9670



Tritanopia

36.9207, 21.1852, 6.4182

Trichromacy



Original Color

36.2184, 21.1151, 3.6801

Protanomaly

23.2094, 19.1125, 4.8487

Deuteranomaly

25.2672, 19.6416, 2.8073

Tritanomaly

36.7536, 21.1998, 5.2868

Monochromacy



Original Color

36.2184, 21.1151, 3.6801

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.8677, 15.2321, 9.9283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2184, 21.1151, 3.6801 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(235, 61, 34)` looks like.

```
.text, #text, p{  
  color:rgb(235, 61, 34)  
}
```

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(235, 61, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 61, 34) }
```

Border

The CSS property to change the border of an element to XYZ 36.2184, 21.1151, 3.6801 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(235, 61, 34) }
```


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

```
.border{ border-color:rgb(235, 61, 34) }
```

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

Here you see how a box with a 4 pixel rgb(235, 61, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 61, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 61, 34);  
box-shadow:4px 4px 4px 4px rgb(235, 61,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2184, 21.1151, 3.6801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 61, 34) }
```

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

```
.background{ background-color: rgb(235, 61,  
34) }
```

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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