

Converting Colors

XYZ(35.8158, 20.7677, 2.1209)

Have a look what the booklet for
XYZ(35.8158, 20.7677, 2.1209)
contains.

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Color

**XYZ(35.8249, 20.7901,
2.1247)**

Conversions

Conversions Part 1

Format	Color
Hex	EB3B00
RGB	235, 59, 0
RGB Percent	92%, 23%, 0%
CMY	0.0784, 0.7686, 1.0000
CMYK	0.00, 0.75, 1.00, 0.08
HSL	15°, 100%, 46%
HSV	15°, 100%, 92%
XYZ	35.8249, 20.7901, 2.1247
YIQ	104.8980, 123.8350, 18.9630

Conversions

Conversions Part 2

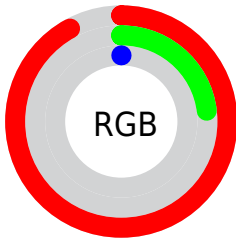
Format	Color
RYB	235, 79, 0
Decimal	15416064
CIELab	52.72, 64.97, 64.64
CIELCh	53, 91.648, 44.851
Yxy	20.7901, 0.6099, 0.3539
Android (android.graphics.Color)	4293606144 (0xFFEB3B00)
YUV	104.8980, -51.7147, 114.0995
Hunter-Lab	45.5962, 60.4541, 29.1545

Details

The XYZ color **35.8249, 20.7901, 2.1247** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **30.5182, 37.0439, 84.1383**, and the grayscale version is **13.5134, 14.2171, 15.4825**.

A 20% lighter version of the original color is **48.6524, 34.7799, 8.4239**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **35.8252, 20.7912, 2.1249**, and if you desaturate by 10%, it is **37.0472, 22.9796, 3.3202**.

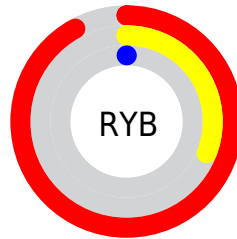
Distribution



Red (92%)

Green (23%)

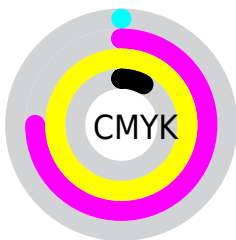
Blue (0%)



Red (92%)

Yellow (31%)

Blue (0%)

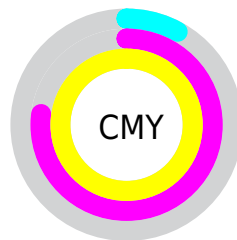


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (77%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8249, 20.7901, 2.1247 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 35.8249, 20.7901, 2.1247 by changing the saturation by 10% instead.


 35.8249, 20.7901,
2.1247


 35.8249, 20.7901,
2.1247


319.6392,
256.1609, 124.2840


 24.4685, 12.9707,
0.6304


 68.0874, 44.7379,
9.3790


 15.8081, 7.4083,
0.0000


 89.7241, 61.6351,
16.0131


 9.4785, 3.7188,
0.0000


 115.5183, 82.3270,
25.2100

 5.1141, 1.5175,
0.0000

 145.8354,
107.1980, 37.3881

 2.3498, 0.3010,
0.0000

 181.0407,
136.6325, 52.9661


 0.8200, 0.0000,
0.0000


 221.4995,


 0.0000, 0.0000,


171.0149, 72.3623


0.0000


 267.5772,
210.7295, 95.9955


 35.8249, 20.7901,
2.1247


 35.8249, 20.7901,
2.1247


 35.8252, 20.7912,
2.1249

 37.0472, 22.9796,
3.3202

 38.7953, 25.9103,
5.6460

 41.1553, 29.6570,
9.4331

 44.1853, 34.2786,
14.8778

 47.9360, 39.8279,
22.1458

■ 52.4527, 46.3535,
31.3826

■ 57.7768, 53.9004,
42.7187

■ 63.9467, 62.5105,
56.2733

■ 70.9982, 72.2237,
72.1568

Harmonies

Analogous

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



43.3209, 20.7901, 11.6659



35.8249, 20.7901, 2.1247



24.9518, 20.7901, 0.1700

Triad

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



35.8249, 20.7901, 2.1247



6.8168, 20.7901, 11.4971



24.8443, 20.7901, 120.8393

Complementary

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



35.8249, 20.7901, 2.1247



30.5182, 37.0439, 84.1383

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.



15.3441, 20.7901, 120.6234



35.8249, 20.7901, 2.1247



6.8047, 20.7901, 38.9466

Square

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



35.8249, 20.7901, 2.1247



9.4418, 20.7901, 2.0851



9.4006, 20.7901, 83.5717



35.7247, 20.7901, 84.0339

Rectangle

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



35.8249, 20.7901, 2.1247



18.2495, 20.7901, 0.0000



9.4006, 20.7901, 83.5717



21.3524, 20.7901, 125.6877

Sweetspot

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



35.8253, 20.7914, 2.1250



69.4541, 64.7504, 51.2206



42.1219, 20.8066, 43.0001



14.2603, 13.0045, 9.6616



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.



35.8253, 20.7914, 2.1250



43.0753, 24.9307, 2.5418



49.8350, 48.8108, 6.7949



15.3728, 15.6686, 15.7328



20.0240, 11.7422, 1.2111



1.6470, 1.0713, 0.1200

Inverse Universe

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



30.5182, 37.0439, 84.1383



36.6733, 44.4665, 101.2578



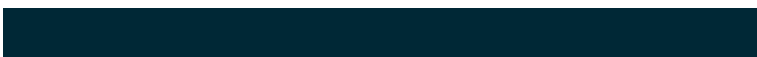
16.5465, 9.1006, 79.4811



15.1788, 16.4441, 19.2963



17.0915, 20.8300, 46.8627



1.4176, 1.7867, 3.7050

Previews

White Background



This preview shows how the XYZ color 35.8249, 20.7901, 2.1247 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 35.8249, 20.7901, 2.1247 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 35.8249, 20.7901, 2.1247

Background



This preview shows how black text looks on a background with the XYZ color 35.8249, 20.7901, 2.1247.



This preview shows how white text looks on a background with the XYZ color 35.8249, 20.7901,

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

35.8249, 20.7901, 2.1247

Protanopia

18.9425, 21.0087, 4.0936

Deuteranopia

21.0145, 20.8039, 2.9080



Tritanopia

36.6721, 20.8508, 5.8331

Trichromacy



Original Color

35.8249, 20.7901, 2.1247

Protanomaly

22.7570, 18.7733, 2.9545

Deuteranomaly

24.8612, 19.3002, 2.4150

Tritanomaly

36.3247, 20.7886, 3.7671

Monochromacy



Original Color

35.8249, 20.7901, 2.1247

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.4517, 14.0601, 7.1043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8249, 20.7901, 2.1247 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, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 59, 0)  
}
```

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, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8249, 20.7901, 2.1247 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, 59, 0) }
```


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

```
.border{ border-color:rgb(235, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.8249, 20.7901, 2.1247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 59, 0) }
```

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

```
.background{ background-color: rgb(235, 59,  
0) }
```

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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