

Converting Colors

XYZ(35.2908, 19.9177, 1.9845)

Have a look what the booklet for
XYZ(35.2908, 19.9177, 1.9845)
contains.

XYZ(35.4448, 20.0298, 1.9980)	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(35.4448, 20.0298,
1.9980)**

Conversions

Conversions Part 1

Format	Color
Hex	EB3300
RGB	235, 51, 0
RGB Percent	92%, 20%, 0%
CMY	0.0784, 0.7999, 1.0000
CMYK	0.00, 0.78, 1.00, 0.08
HSL	13°, 100%, 46%
HSV	13°, 100%, 92%
XYZ	35.4448, 20.0298, 1.9980
YIQ	100.2020, 126.0350, 23.1470

Conversions

Conversions Part 2

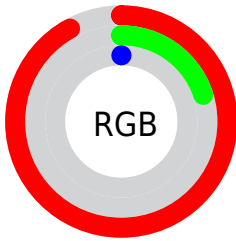
Format	Color
RYB	235, 65, 0
Decimal	15414016
CIELab	51.87, 67.35, 64.27
CIELCh	52, 93.090, 43.659
Yxy	20.0298, 0.6167, 0.3485
Android (android.graphics.Color)	4293604096 (0xFFEB3300)
YUV	100.2020, -49.3996, 118.2178
Hunter-Lab	44.7547, 63.0478, 28.6814

Details

The XYZ color **35.4448, 20.0298, 1.9980** 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 **32.1330, 40.2736, 84.6767**, and the grayscale version is **12.2663, 12.9051, 14.0536**.

A 20% lighter version of the original color is **47.9345, 33.3860, 8.0554**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **35.4451, 20.0309, 1.9982**, and if you desaturate by 10%, it is **36.5741, 22.0333, 3.1625**.

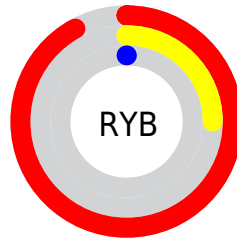
Distribution



Red (92%)

Green (20%)

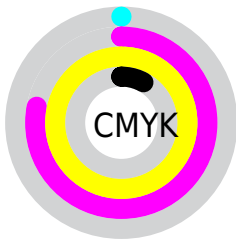
Blue (0%)



Red (92%)

Yellow (25%)

Blue (0%)

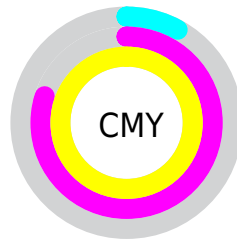


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4448, 20.0298, 1.9980 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 35.4448, 20.0298, 1.9980 by changing the saturation by 10% instead.


 35.4448, 20.0298,
1.9980


 35.4448, 20.0298,
1.9980


 318.0010,
252.0764, 122.3457


 24.1738, 12.4167,
0.5540


 67.5038, 43.4671,
9.0353


 15.5881, 7.0281,
0.0000


 89.0225, 60.0602,
15.5212

 9.3221, 3.4797,
0.0000


 114.6878, 80.4153,
24.5433

 5.0107, 1.3870,
0.0000

 144.8651,
104.9170, 36.5201

 2.2883, 0.2071,
0.0000

 179.9197,
133.9495, 51.8703

 0.7887, 0.0000,
0.0000


 220.2170,


 0.0000, 0.0000,


167.8973, 71.0122


0.0000


 266.1223,
207.1448, 94.3645


 35.4448, 20.0298,
1.9980


 35.4448, 20.0298,
1.9980


 35.4451, 20.0309,
1.9982

 36.5741, 22.0333,
3.1625

 38.2482, 24.8160,
5.4637

 40.5580, 28.4623,
9.2340

 43.5655, 33.0389,
14.6712

 47.3249, 38.6057,
21.9422

■ 51.8847, 45.2174,
31.1934

■ 57.2890, 52.9246,
42.5562

■ 63.5788, 61.7746,
56.1509

■ 70.7922, 71.8116,
72.0884

Harmonies

Analogous

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



42.7209, 20.0298, 11.6825



35.4448, 20.0298, 1.9980



24.6224, 20.0298, 0.0072

Triad

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



35.4448, 20.0298, 1.9980



6.3813, 20.0298, 10.1982



23.6599, 20.0298, 121.5558

Complementary

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



35.4448, 20.0298, 1.9980



32.1330, 40.2736, 84.6767

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.



14.3686, 20.0298, 119.5846



35.4448, 20.0298, 1.9980



6.2757, 20.0298, 36.5535

Square

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



35.4448, 20.0298, 1.9980



9.0455, 20.0298, 1.6680



8.6842, 20.0298, 81.0881



34.5423, 20.0298, 85.2927

Rectangle

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



35.4448, 20.0298, 1.9980



17.9013, 20.0298, 0.0000



8.6842, 20.0298, 81.0881



20.2213, 20.0298, 125.9005

Sweetspot

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



35.4452, 20.0310, 1.9983



68.8652, 63.5724, 51.0243



42.9212, 21.1263, 47.2088



14.1243, 12.7326, 9.6163



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.



35.4452, 20.0310, 1.9983



42.6231, 24.0262, 2.3910



48.3405, 45.8215, 6.2967



15.3305, 15.5841, 15.7187



19.8033, 11.3008, 1.1375



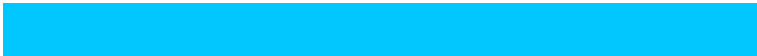
1.6242, 1.0258, 0.1124

Inverse Universe

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



32.1330, 40.2736, 84.6767



38.6222, 48.3643, 101.9074



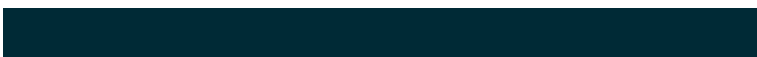
16.9779, 9.9633, 79.6250



15.2241, 16.5347, 19.3114



17.9812, 22.6093, 47.1593



1.4807, 1.9128, 3.7260

Previews

White Background



This preview shows how the XYZ color 35.4448, 20.0298, 1.9980 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



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 35.4448, 20.0298, 1.9980

Background



This preview shows how black text looks on a background with the XYZ color 35.4448, 20.0298, 1.9980.



This preview shows how white text looks on a background with the XYZ color 35.4448, 20.0298,

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

35.4448, 20.0298, 1.9980

Protanopia

18.3584, 20.3265, 4.0544

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

36.1825, 20.1602, 4.7806

Trichromacy



Original Color

35.4448, 20.0298, 1.9980

Protanomaly

22.1561, 17.8930, 2.8582

Deuteranomaly

24.0103, 18.3197, 2.2706

Tritanomaly

35.9377, 20.1284, 3.2874

Monochromacy



Original Color

35.4448, 20.0298, 1.9980

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.3371, 12.7943, 6.4590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4448, 20.0298, 1.9980 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, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 51, 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, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4448, 20.0298, 1.9980 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, 51, 0) }
```


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

```
.border{ border-color:rgb(235, 51, 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, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4448, 20.0298, 1.9980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 51, 0) }
```

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

```
.background{ background-color: rgb(235, 51,  
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](#).

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