

Converting Colors

XYZ(35.0918, 22.0749, 3.7767)

Have a look what the booklet for
XYZ(35.0918, 22.0749, 3.7767)
contains.

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Color

**XYZ(34.9800, 22.0470,
3.7784)**

Conversions

Conversions Part 1

Format	Color
Hex	E44E20
RGB	228, 78, 32
RGB Percent	89%, 31%, 13%
CMY	0.1059, 0.6941, 0.8745
CMYK	0.00, 0.66, 0.86, 0.11
HSL	14°, 78%, 51%
HSV	14°, 86%, 89%
XYZ	34.9800, 22.0470, 3.7784
YIQ	117.6060, 104.1660, 17.4940

Conversions

Conversions Part 2

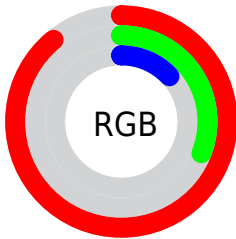
Format	Color
R_{YB}	228, 92, 32
Decimal	14962208
CIE _{Lab}	54.08, 56.26, 55.59
CIE _{LCh}	54, 79.089, 44.656
Yxy	22.0470, 0.5753, 0.3626
Android (android.graphics.Color)	4293152288 (0xFFE44E20)
YUV	117.6060, -42.2038, 96.8155
Hunter-Lab	46.9542, 50.8092, 28.0969

Details

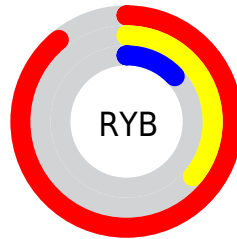
The XYZ color **34.9800, 22.0470, 3.7784** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **31.3255, 39.3612, 79.3447**, and the grayscale version is **17.2027, 18.0985, 19.7093**.

A 20% lighter version of the original color is **51.2881, 38.9194, 12.7917**, and **15.3967, 8.0662, 0.7454** is the 20% darker color. If you saturate the color by 10%, you get **33.6905, 19.8049, 2.3113**, and if you desaturate by 10%, it is **36.8131, 25.0349, 6.4816**.

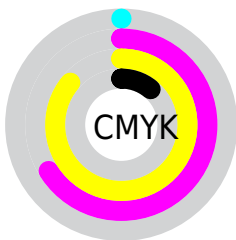
Distribution



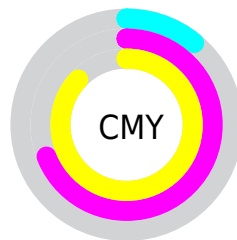
- Red (89%)
- Green (31%)
- Blue (13%)



- Red (89%)
- Yellow (36%)
- Blue (13%)



- Cyan (0%)
- Magenta (66%)
- Yellow (86%)
- Black (11%)





- Cyan (11%)
- Magenta (69%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9800, 22.0470, 3.7784 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 34.9800, 22.0470, 3.7784 by changing the saturation by 10% instead.


 34.9800, 22.0470,
3.7784


 34.9800, 22.0470,
3.7784


315.9896,
262.7916, 145.7295


 23.8139, 13.8914,
1.5046


 66.7890, 46.8237,
13.4954

 15.3196, 8.0452,
0.2213


 88.1626, 64.2136,
21.7756

 9.1318, 4.1239,
0.0000


 113.6695, 85.4504,
32.8951

 4.8850, 1.7431,
0.0000

 143.6749,
110.9184, 47.2723

 2.2140, 0.4513,
0.0000

 178.5443,
141.0022, 65.3258

 0.7501, 0.0000,
0.0000

 218.6430,

 0.0000, 0.0000,

176.0861, 87.4741

0.0000

264.3363,
216.5544, 114.1358

34.9800, 22.0470,
3.7784

34.9800, 22.0470,
3.7784

33.6905, 19.8049,
2.3113

36.8131, 25.0349,
6.4816

33.2916, 19.0877,
1.9296

39.2502, 28.8274,
10.6287

42.3442, 33.4813,
16.3897

46.1413, 39.0466,
23.9101

50.6833, 45.5696,
33.3195

■ 56.0087, 53.0933,
44.7348

■ 62.1530, 61.6580,
58.2636

■ 69.1498, 71.3017,
74.0057

■ 77.0305, 82.0606,
92.0547

Harmonies

Analogous

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



41.2542, 22.0470, 13.9444



34.9800, 22.0470, 3.7784



25.6193, 22.0470, 1.2036

Triad

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



34.9800, 22.0470, 3.7784



8.7522, 22.0470, 13.5673



25.4017, 22.0470, 104.5917

Complementary

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



34.9800, 22.0470, 3.7784



31.3255, 39.3612, 79.3447

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.



16.8942, 22.0470, 104.2015



34.9800, 22.0470, 3.7784



8.7237, 22.0470, 38.0174

Square

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



34.9800, 22.0470, 3.7784



11.3844, 22.0470, 3.6629



11.2916, 22.0470, 74.7198



34.7837, 22.0470, 75.5761

Rectangle

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



34.9800, 22.0470, 3.7784



19.6471, 22.0470, 1.0080



11.2916, 22.0470, 74.7198



22.3198, 22.0470, 108.3118

Sweetspot

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



34.9805, 22.0483, 3.7787



72.0482, 68.2319, 57.3463



40.9823, 20.9154, 46.2777



14.8856, 13.8509, 11.1160



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.



34.9805, 22.0483, 3.7787



42.8484, 24.4768, 2.4661



47.7285, 47.5444, 8.0281



14.6502, 14.9143, 15.0111



19.2995, 11.1731, 1.1394



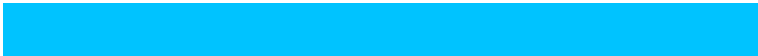
1.4964, 0.9661, 0.1076

Inverse Universe

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



31.3255, 39.3612, 79.3447



37.5971, 46.3142, 101.5657



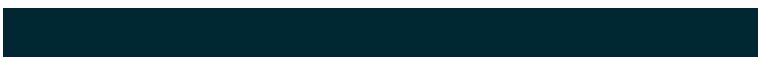
17.7904, 12.2909, 74.8329



14.5057, 15.7327, 18.4165



16.9751, 21.0123, 45.5443



1.3240, 1.6919, 3.3888

Previews

White Background



This preview shows how the XYZ color 34.9800, 22.0470, 3.7784 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 34.9800, 22.0470, 3.7784 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 34.9800, 22.0470, 3.7784

Background



This preview shows how black text looks on a background with the XYZ color 34.9800, 22.0470, 3.7784.



This preview shows how white text looks on a background with the XYZ color 34.9800, 22.0470,

3.7784.

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

34.9800, 22.0470, 3.7784

Protanopia

20.1333, 22.1745, 5.7016

Deuteranopia

22.3928, 22.0584, 3.0775



Tritanopia

36.0352, 21.9589, 9.3604

Trichromacy



Original Color

34.9800, 22.0470, 3.7784

Protanomaly

23.7466, 20.6360, 4.7391

Deuteranomaly

25.8176, 21.1067, 3.0611

Tritanomaly

35.6715, 22.0271, 6.7864

Monochromacy



Original Color

34.9800, 22.0470, 3.7784

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

20.6711, 17.6577, 11.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9800, 22.0470, 3.7784 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(228, 78, 32)` looks like.

```
.text, #text, p{  
    color:rgb(228, 78, 32)  
}
```

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(228, 78, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 78, 32) }
```

Border

The CSS property to change the border of an element to XYZ 34.9800, 22.0470, 3.7784 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(228, 78, 32) }
```


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

```
.border{ border-color:rgb(228, 78, 32) }
```

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

Here you see how a box with a 4 pixel rgb(228, 78, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 78, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 78, 32);  
box-shadow:4px 4px 4px 4px rgb(228, 78,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9800, 22.0470, 3.7784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 78, 32) }
```

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

```
.background{ background-color: rgb(228, 78,  
32) }
```

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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