

Converting Colors

XYZ(36.1979, 22.2791, 3.1515)

Have a look what the booklet for
XYZ(36.1979, 22.2791, 3.1515)
contains.

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Color

**XYZ(36.1979, 22.2791,
3.1515)**

Conversions

Conversions Part 1

Format	Color
Hex	E94A16
RGB	233, 74, 22
RGB Percent	91%, 29%, 9%
CMY	0.0863, 0.7098, 0.9137
CMYK	0.00, 0.68, 0.91, 0.09
HSL	15°, 83%, 50%
HSV	15°, 91%, 91%
XYZ	36.1979, 22.2791, 3.1515
YIQ	115.6130, 111.4560, 17.5360

Conversions

Conversions Part 2

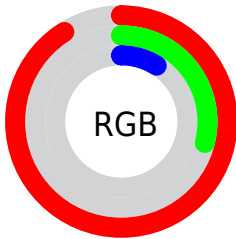
Format	Color
R_{YB}	233, 91, 22
Decimal	15288854
CIE _{Lab}	54.32, 59.31, 59.84
CIE _{LCh}	54, 84.254, 45.252
Yxy	22.2791, 0.5874, 0.3615
Android (android.graphics.Color)	4293478934 (0xFFE94A16)
YUV	115.6130, -46.1512, 102.9484
Hunter-Lab	47.2007, 54.2890, 29.0818

Details

The XYZ color **36.1979, 22.2791, 3.1515** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **31.5608, 39.0977, 82.9735**, and the grayscale version is **16.5960, 17.4603, 19.0143**.

A 20% lighter version of the original color is **50.5923, 37.9870, 11.1443**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **35.0886, 20.2927, 2.0675**, and if you desaturate by 10%, it is **37.8733, 25.0949, 5.3609**.

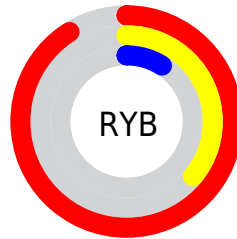
Distribution



Red (91%)

Green (29%)

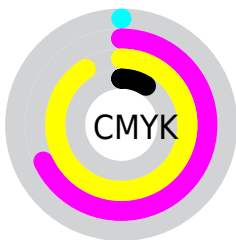
Blue (9%)



Red (91%)

Yellow (36%)

Blue (9%)

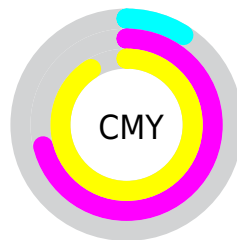


Cyan (0%)

Magenta (68%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (71%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1979, 22.2791, 3.1515 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 36.1979, 22.2791, 3.1515 by changing the saturation by 10% instead.


 36.1979, 22.2791,
3.1515


 36.1979, 22.2791,
3.1515


321.2409,
264.0004, 138.2674


 24.7579, 14.0621,
1.1725


 68.6593, 47.2069,
12.0000

 16.0245, 8.1639,
0.0000


 90.4114, 64.6864,
19.7067


 9.6325, 4.2000,
0.0000


 116.3315, 86.0223,
30.1596

 5.2164, 1.7861,
0.0000

 146.7851,
111.5989, 43.7773

 2.4108, 0.4785,
0.0000

 182.1375,
141.8006, 60.9784


 0.8505, 0.0000,
0.0000


 222.7540,


 0.0000, 0.0000,


177.0118, 82.1815


0.0000


 269.0000,
217.6169, 107.8049

 36.1979, 22.2791,
3.1515


 36.1979, 22.2791,
3.1515


 35.0886, 20.2927,
2.0675

 37.8733, 25.0949,
5.3609

 40.1478, 28.7120,
8.9916

 43.0797, 33.1909,
14.2386

 46.7195, 38.5845,
21.2657

 51.1120, 44.9413,
30.2162

■ 56.2986, 52.3062,
41.2188

■ 62.3171, 60.7212,
54.3910

■ 69.2030, 70.2260,
69.8413

■ 76.9898, 80.8580,
87.6711

Harmonies

Analogous

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



43.1887, 22.2791, 13.2383



36.1979, 22.2791, 3.1515



25.9963, 22.2791, 0.8516

Triad

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



36.1979, 22.2791, 3.1515



8.2782, 22.2791, 13.5275



26.1688, 22.2791, 113.0687

Complementary

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



36.1979, 22.2791, 3.1515



31.5608, 39.0977, 82.9735

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.



16.9911, 22.2791, 113.3905



36.1979, 22.2791, 3.1515



8.2997, 22.2791, 40.1421

Square

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



36.1979, 22.2791, 3.1515



10.9475, 22.2791, 3.2329



11.0184, 22.2791, 80.8165



36.3553, 22.2791, 80.1164

Rectangle

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



36.1979, 22.2791, 3.1515



19.6000, 22.2791, 0.6823



11.0184, 22.2791, 80.8165



22.8335, 22.2791, 117.5033

Sweetspot

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



36.1984, 22.2804, 3.1518



71.5034, 67.5805, 55.8137



42.5183, 21.3483, 47.0989



14.7874, 13.7382, 10.8251



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.



36.1984, 22.2804, 3.1518



43.0095, 24.7989, 2.5198



49.4184, 48.7205, 7.5585



15.3670, 15.6571, 15.7309



19.9920, 11.6782, 1.2004



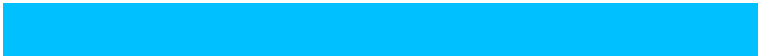
1.6438, 1.0648, 0.1189

Inverse Universe

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



31.5608, 39.0977, 82.9735



36.9316, 44.9831, 101.3439



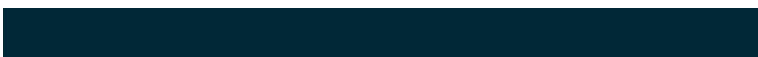
17.7823, 11.5407, 78.3807



15.1850, 16.4563, 19.2983



17.2095, 21.0660, 46.9021



1.4260, 1.8035, 3.7078

Previews

White Background



This preview shows how the XYZ color 36.1979, 22.2791, 3.1515 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 36.1979, 22.2791, 3.1515 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 36.1979, 22.2791, 3.1515

Background



This preview shows how black text looks on a background with the XYZ color 36.1979, 22.2791, 3.1515.



This preview shows how white text looks on a background with the XYZ color 36.1979, 22.2791,

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

36.1979, 22.2791, 3.1515

Protanopia

20.2888, 22.4710, 4.9371

Deuteranopia

22.7247, 22.4146, 3.1287



Tritanopia

37.2624, 22.2297, 8.6301

Trichromacy



Original Color

36.1979, 22.2791, 3.1515

Protanomaly

24.1834, 20.7158, 4.0203

Deuteranomaly

26.4331, 21.2727, 2.9426

Tritanomaly

36.8508, 22.2652, 5.8454

Monochromacy



Original Color

36.1979, 22.2791, 3.1515

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.4747, 17.2875, 10.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1979, 22.2791, 3.1515 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, 74, 22)` looks like.

```
.text, #text, p{  
    color:rgb(233, 74, 22)  
}
```

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, 74, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 74, 22) }
```

Border

The CSS property to change the border of an element to XYZ 36.1979, 22.2791, 3.1515 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, 74, 22) }
```


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

```
.border{ border-color:rgb(233, 74, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 74, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 74, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 74, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 74,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1979, 22.2791, 3.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 74, 22) }
```

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

```
.background{ background-color: rgb(233, 74,  
22) }
```

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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