

Converting Colors

XYZ(37.7722, 22.6905, 3.1442)

Have a look what the booklet for
XYZ(37.7722, 22.6905, 3.1442)
contains.

XYZ(37.9316, 22.7890, 3.1586)	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(37.9316, 22.7890,
3.1586)**

Conversions

Conversions Part 1

Format	Color
Hex	EF4616
RGB	239, 70, 22
RGB Percent	94%, 27%, 9%
CMY	0.0627, 0.7254, 0.9137
CMYK	0.00, 0.71, 0.91, 0.06
HSL	13°, 87%, 51%
HSV	13°, 91%, 94%
XYZ	37.9316, 22.7890, 3.1586
YIQ	115.0590, 116.1320, 20.9000

Conversions

Conversions Part 2

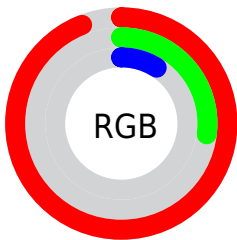
Format	Color
R_{YB}	239, 84, 22
Decimal	15681046
CIE _{Lab}	54.85, 62.71, 60.71
CIE _{LCh}	55, 87.286, 44.069
Yxy	22.7890, 0.5938, 0.3568
Android (android.graphics.Color)	4293871126 (0xFFEF4616)
YUV	115.0590, -45.8781, 108.6963
Hunter-Lab	47.7378, 58.2916, 29.4935

Details

The XYZ color **37.9316, 22.7890, 3.1586** 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 **34.5394, 43.6597, 88.2674**, and the grayscale version is **16.4253, 17.2807, 18.8187**.

A 20% lighter version of the original color is **50.1952, 37.1928, 11.0119**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **36.8638, 20.8856, 2.0884**, and if you desaturate by 10%, it is **39.6287, 25.6295, 5.4331**.

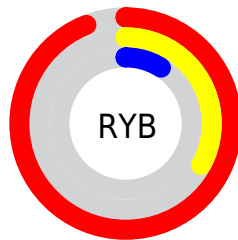
Distribution



Red (94%)

Green (27%)

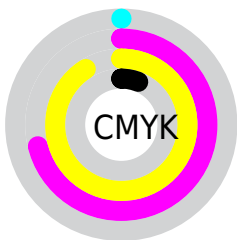
Blue (9%)



Red (94%)

Yellow (33%)

Blue (9%)

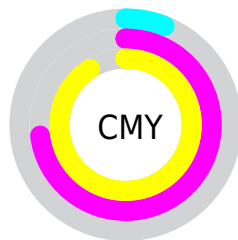


Cyan (0%)

Magenta (71%)

Yellow (91%)

Black (6%)



Cyan (6%)


Magenta (73%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9316, 22.7890, 3.1586 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 37.9316, 22.7890, 3.1586 by changing the saturation by 10% instead.

 37.9316, 22.7890,
3.1586


 37.9316, 22.7890,
3.1586


328.6124,
266.6394, 138.3557


 26.1066, 14.4378,
1.1762


 71.3079, 48.0466,
12.0173


 17.0365, 8.4258,
0.0000


 93.5898, 65.7218,
19.7308


 10.3560, 4.3686,
0.0000


 120.0881, 87.2738,
30.1916

 5.6997, 1.8818,
0.0000

 151.1681,
113.0870, 43.8183

 2.7023, 0.5374,
0.0000

 187.1952,
143.5458, 61.0296


 0.9983, 0.0000,
0.0000


 228.5347,


 0.0000, 0.0000,


179.0345, 82.2439


0.0000


 275.5520,
219.9376, 107.8797


 37.9316, 22.7890,
3.1586


 37.9316, 22.7890,
3.1586


 36.8638, 20.8856,
2.0884

 39.6287, 25.6295,
5.4331

 41.9780, 29.3551,
9.2154

 45.0449, 34.0365,
14.7154

 48.8860, 39.7356,
22.1091

 53.5517, 46.5090,
31.5504

■ 59.0881, 54.4090,
43.1773

■ 65.5377, 63.4843,
57.1158

■ 72.9402, 73.7809,
73.4822

■ 81.3328, 85.3420,
92.3850

Harmonies

Analogous

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



45.1304, 22.7890, 13.9993



37.9316, 22.7890, 3.1586



27.1680, 22.7890, 0.7441

Triad

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



37.9316, 22.7890, 3.1586



8.2602, 22.7890, 12.8906



26.4959, 22.7890, 120.4235

Complementary

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



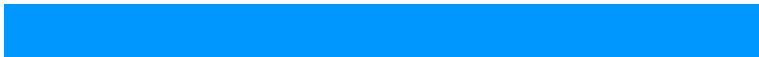
37.9316, 22.7890, 3.1586



34.5394, 43.6597, 88.2674

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.



16.9523, 22.7890, 119.1463



37.9316, 22.7890, 3.1586



8.1784, 22.7890, 40.1190

Square

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



37.9316, 22.7890, 3.1586



11.1407, 22.7890, 2.8594



10.8691, 22.7890, 83.2368



37.3152, 22.7890, 86.0045

Rectangle

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



37.9316, 22.7890, 3.1586



20.3689, 22.7890, 0.5251



10.8691, 22.7890, 83.2368



23.0051, 22.7890, 124.6614

Sweetspot

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



37.9321, 22.7904, 3.1589



71.0949, 66.7635, 55.6776



45.3959, 22.7295, 51.8541



14.6931, 13.5497, 10.7936



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.



37.9321, 22.7904, 3.1589



42.6745, 24.1290, 2.4082



51.5656, 50.0574, 7.7034



16.0564, 16.3259, 16.4547



20.4514, 11.7008, 1.1806



1.7730, 1.1167, 0.1221

Inverse Universe

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



34.5394, 43.6597, 88.2674



38.3775, 47.8749, 101.8258



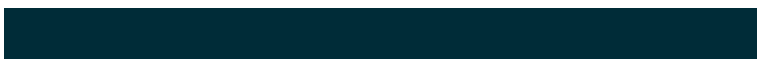
19.0413, 12.6636, 83.1014



15.9334, 17.3010, 20.2212



18.4292, 23.0827, 48.6119



1.6054, 2.0647, 4.0681

Previews

White Background



This preview shows how the XYZ color 37.9316, 22.7890, 3.1586 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 37.9316, 22.7890, 3.1586 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 37.9316, 22.7890, 3.1586

Background



This preview shows how black text looks on a background with the XYZ color 37.9316, 22.7890, 3.1586.



This preview shows how white text looks on a background with the XYZ color 37.9316, 22.7890,

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

37.9316, 22.7890, 3.1586

Protanopia

20.7979, 22.9320, 5.0804

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

38.9268, 22.8390, 7.8255

Trichromacy



Original Color

37.9316, 22.7890, 3.1586

Protanomaly

24.7854, 20.8653, 4.0876

Deuteranomaly

27.0877, 21.4581, 2.9439

Tritanomaly

38.5399, 22.7786, 5.4974

Monochromacy



Original Color

37.9316, 22.7890, 3.1586

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

20.4442, 16.9913, 9.9867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9316, 22.7890, 3.1586 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(239, 70, 22)` looks like.

```
.text, #text, p{  
    color:rgb(239, 70, 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(239, 70, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 70, 22) }
```

Border

The CSS property to change the border of an element to XYZ 37.9316, 22.7890, 3.1586 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(239, 70, 22) }
```


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

```
.border{ border-color:rgb(239, 70, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 70, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 70, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 70, 22);  
box-shadow:4px 4px 4px 4px rgb(239, 70,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9316, 22.7890, 3.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 70, 22) }
```

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

```
.background{ background-color: rgb(239, 70,  
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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