

Converting Colors

XYZ(37.8416, 20.5376, 2.3990)

Have a look what the booklet for
XYZ(37.8416, 20.5376, 2.3990)
contains.

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Color

**XYZ(37.7345, 20.4726,
2.3782)**

Conversions

Conversions Part 1

Format	Color
Hex	F3260E
RGB	243, 38, 14
RGB Percent	95%, 15%, 5%
CMY	0.0471, 0.8509, 0.9451
CMYK	0.00, 0.84, 0.94, 0.05
HSL	6°, 91%, 50%
HSV	6°, 94%, 95%
XYZ	37.7345, 20.4726, 2.3782
YIQ	96.5590, 129.8840, 35.9960

Conversions

Conversions Part 2

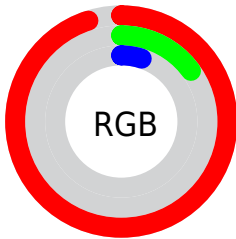
Format	Color
R_{YB}	243, 41, 14
Decimal	15934990
CIE _{Lab}	52.37, 72.80, 61.97
CIE _{LCh}	52, 95.600, 40.407
Yxy	20.4726, 0.6228, 0.3379
Android (android.graphics.Color)	4294125070 (0xFFFF3260E)
YUV	96.5590, -40.7016, 128.4288
Hunter-Lab	45.2467, 69.6826, 28.5563

Details

The XYZ color **37.7345, 20.4726, 2.3782** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **41.6842, 57.2154, 93.6400**, and the grayscale version is **11.3310, 11.9211, 12.9820**.

A 20% lighter version of the original color is **47.4072, 31.9733, 8.9830**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.3200, 19.7710, 1.8492**, and if you desaturate by 10%, it is **38.9206, 22.4044, 4.1324**.

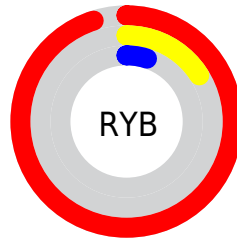
Distribution



Red (95%)

Green (15%)

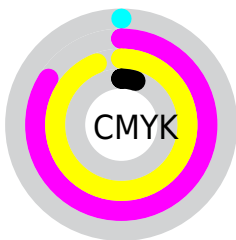
Blue (5%)



Red (95%)

Yellow (16%)

Blue (5%)

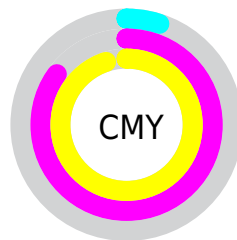


Cyan (0%)

Magenta (84%)

Yellow (94%)

Black (5%)



Cyan (5%)


Magenta (85%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7345, 20.4726, 2.3782 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 37.7345, 20.4726, 2.3782 by changing the saturation by 10% instead.


 37.7345, 20.4726,
2.3782


 37.7345, 20.4726,
2.3782


327.7803,
254.4622, 127.9978

 25.9530, 12.7390,
0.7745


 71.0075, 44.2081,
10.0511

 16.9210, 7.2491,
0.0000


 93.2298, 60.9789,
16.9697


 10.2731, 3.6184,
0.0000


 119.6629, 81.5308,
26.5010

 5.6441, 1.4625,
0.0000

 150.6724,
106.2484, 39.0636

 2.6685, 0.2621,
0.0000

 186.6235,
135.5159, 55.0760

 0.9810, 0.0000,
0.0000


 227.8816,


 0.0000, 0.0000,


169.7177, 74.9568


0.0000


 274.8121,
209.2384, 99.1246


 37.7345, 20.4726,
2.3782


 37.7345, 20.4726,
2.3782


 37.3200, 19.7710,
1.8492

 38.9206, 22.4044,
4.1324

 40.8294, 25.3720,
7.3896

 43.5557, 29.4963,
12.3932

 47.1790, 34.8804,
19.3427

 51.7693, 41.6159,
28.4108

■ 57.3897, 49.7860,
39.7509

■ 64.0978, 59.4670,
53.5022

■ 71.9470, 70.7298,
69.7928

■ 80.9871, 83.6410,
88.7418

Harmonies

Analogous

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



44.6601, 20.4726, 13.8594



37.7345, 20.4726, 2.3782



26.5251, 20.4726, 0.0157

Triad

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



37.7345, 20.4726, 2.3782



6.5146, 20.4726, 8.6016



23.0838, 20.4726, 129.5015

Complementary

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



37.7345, 20.4726, 2.3782



41.6842, 57.2154, 93.6400

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.



13.7738, 20.4726, 122.3709



37.7345, 20.4726, 2.3782



6.1434, 20.4726, 33.5935

Square

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



37.7345, 20.4726, 2.3782



9.5834, 20.4726, 1.2468



8.3071, 20.4726, 79.1688



34.4966, 20.4726, 94.3451

Rectangle

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



37.7345, 20.4726, 2.3782



19.3245, 20.4726, 0.0000



8.3071, 20.4726, 79.1688



19.5933, 20.4726, 132.4017

Sweetspot

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



37.7349, 20.4739, 2.3785



68.5003, 62.0048, 53.4856



50.0503, 24.5412, 69.8780



13.9804, 12.2875, 10.0532



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.



37.7349, 20.4739, 2.3785



41.6262, 22.0324, 2.0587



48.1721, 41.3483, 5.8575



16.6390, 16.7621, 17.1560



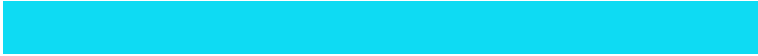
20.5281, 10.9417, 1.0300



1.8497, 1.0527, 0.1057

Inverse Universe

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



41.6842, 57.2154, 93.6400



45.8623, 62.8447, 104.3208



21.4715, 16.7902, 86.9024



16.8395, 18.4433, 21.2149



22.6286, 31.0510, 51.3388



2.0307, 2.8128, 4.5261

Previews

White Background



This preview shows how the XYZ color 37.7345, 20.4726, 2.3782 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 37.7345, 20.4726, 2.3782 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 37.7345, 20.4726, 2.3782

Background



This preview shows how black text looks on a background with the XYZ color 37.7345, 20.4726, 2.3782.



This preview shows how white text looks on a background with the XYZ color 37.7345, 20.4726,

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

37.7345, 20.4726, 2.3782

Protanopia

18.7487, 20.7058, 4.5986

Deuteranopia

20.6974, 20.4628, 2.8588



Tritanopia

37.8675, 20.4262, 3.3857

Trichromacy



Original Color

37.7345, 20.4726, 2.3782

Protanomaly

22.5606, 17.5495, 3.2352

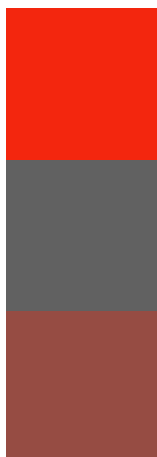
Deuteranomaly

24.6698, 18.1421, 2.3451

Tritanomaly

37.8102, 20.4524, 2.9322

Monochromacy



Original Color

37.7345, 20.4726, 2.3782

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.1752, 12.0582, 6.7851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7345, 20.4726, 2.3782 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(243, 38, 14)` looks like.

```
.text, #text, p{  
  color:rgb(243, 38, 14)  
}
```

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(243, 38, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 38, 14) }
```

Border

The CSS property to change the border of an element to XYZ 37.7345, 20.4726, 2.3782 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(243, 38, 14) }
```


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

```
.border{ border-color:rgb(243, 38, 14) }
```

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

Here you see how a box with a 4 pixel rgb(243, 38, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 38, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 38, 14);  
box-shadow:4px 4px 4px 4px rgb(243, 38,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7345, 20.4726, 2.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 38, 14) }
```

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

```
.background{ background-color: rgb(243, 38,  
14) }
```

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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