

Converting Colors

XYZ(37.5684, 20.0532, 5.9278)

Have a look what the booklet for
XYZ(37.5684, 20.0532, 5.9278)
contains.

XYZ(37.5559, 20.0393, 5.8915)	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(37.5559, 20.0393,
5.8915)**

Conversions

Conversions Part 1

Format	Color
Hex	F1203A
RGB	241, 32, 58
RGB Percent	95%, 13%, 23%
CMY	0.0549, 0.8744, 0.7725
CMYK	0.00, 0.87, 0.76, 0.05
HSL	353°, 88%, 54%
HSV	353°, 87%, 95%
XYZ	37.5559, 20.0393, 5.8915
YIQ	97.4550, 116.2180, 52.3940

Conversions

Conversions Part 2

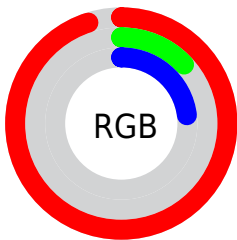
Format	Color
R_{YB}	241, 32, 58
Decimal	15802426
CIE _{Lab}	51.88, 74.31, 41.39
CIE _{LCh}	52, 85.059, 29.119
Yxy	20.0393, 0.5916, 0.3156
Android (android.graphics.Color)	4293992506 (0xFFFF1203A)
YUV	97.4550, -19.4513, 125.8890
Hunter-Lab	44.7653, 71.4136, 23.5326

Details

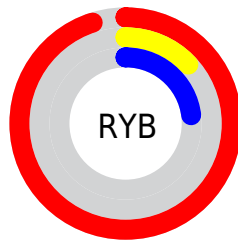
The XYZ color **37.5559, 20.0393, 5.8915** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **44.3205, 68.1253, 75.1202**, and the grayscale version is **11.5038, 12.1029, 13.1801**.

A 20% lighter version of the original color is **48.7918, 32.2012, 17.2795**, and **17.9980, 9.2675, 1.3304** is the 20% darker color. If you saturate the color by 10%, you get **36.6937, 19.0056, 3.4762**, and if you desaturate by 10%, it is **39.1108, 22.1072, 9.6229**.

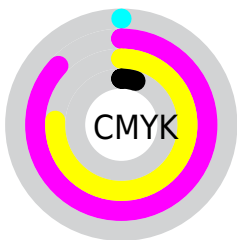
Distribution



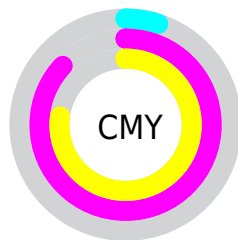
- Red (95%)
- Green (13%)
- Blue (23%)



- Red (95%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (87%)
- Yellow (76%)
- Black (5%)





- Cyan (5%)
- Magenta (87%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5559, 20.0393, 5.8915 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 37.5559, 20.0393, 5.8915 by changing the saturation by 10% instead.

 37.5559, 20.0393,
5.8915


 37.5559, 20.0393,
5.8915


327.0249,
252.1278, 167.3712


 25.8138, 12.4236,
2.7115


 70.7352, 43.4831,
18.1790

 16.8164, 7.0329,
0.9492


 92.9032, 60.0799,
28.1237


 10.1981, 3.4827,
0.0000


 119.2772, 80.4393,
41.1602

 5.5938, 1.3886,
0.0000

 150.2226,
104.9456, 57.7073

 2.6380, 0.2083,
0.0000

 186.1047,
133.9832, 78.1834

 0.9654, 0.0000,
0.0000

 227.2889,

 0.0000, 0.0000,

167.9365, 103.0070

0.0000

274.1405,
207.1899, 132.5968

■ 37.5559, 20.0393,
5.8915

■ 37.5559, 20.0393,
5.8915

■ 36.6937, 19.0056,
3.4762

■ 39.1108, 22.1072,
9.6229

■ 36.5092, 18.7942,
2.9287


■ 41.4710, 25.3952,
14.8257


■ 44.7290, 30.0551,
21.6338


■ 48.9641, 36.2157,
30.1656

■ 54.2468, 43.9911,
40.5282

 60.6412, 53.4841,
52.8199

 68.2059, 64.7890,
67.1320

 76.9958, 77.9935,
83.5501

 87.0618, 93.1792,
102.1547

Harmonies

Analogous

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



40.9515, 20.0393, 22.5594



37.5559, 20.0393, 5.8915



28.9080, 20.0393, 1.1623

Triad

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



37.5559, 20.0393, 5.8915



8.0516, 20.0393, 5.3777



18.7924, 20.0393, 112.3259

Complementary

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



37.5559, 20.0393, 5.8915



44.3205, 68.1253, 75.1202

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.



11.7298, 20.0393, 93.4090



37.5559, 20.0393, 5.8915



6.7977, 20.0393, 21.0958

Square

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



37.5559, 20.0393, 5.8915



12.0530, 20.0393, 1.0618



7.9086, 20.0393, 54.1217



28.3275, 20.0393, 95.3516

Rectangle

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



37.5559, 20.0393, 5.8915



22.3578, 20.0393, 0.4140



7.9086, 20.0393, 54.1217



16.0799, 20.0393, 109.8115

Sweetspot

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



37.5563, 20.0406, 5.8918



69.4444, 61.5548, 61.0089



43.8744, 21.5517, 85.0661



14.2855, 12.3142, 11.9538



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.



37.5563, 20.0406, 5.8918



41.4966, 21.3626, 3.2812



41.9678, 29.6677, 4.8828



15.8527, 15.7908, 16.7807



19.8243, 10.2022, 1.7256



1.6747, 0.8589, 0.2778

Inverse Universe

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



37.5563, 20.0406, 5.8918



41.4966, 21.3626, 3.2812



29.8163, 33.3439, 88.0831



15.8527, 15.7908, 16.7807



19.8243, 10.2022, 1.7256



1.6747, 0.8589, 0.2778

Previews

White Background



This preview shows how the XYZ color 37.5559, 20.0393, 5.8915 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 37.5559, 20.0393, 5.8915 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 37.5559, 20.0393, 5.8915

Background



This preview shows how black text looks on a background with the XYZ color 37.5559, 20.0393, 5.8915.



This preview shows how white text looks on a background with the XYZ color 37.5559, 20.0393,

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

37.5559, 20.0393, 5.8915

Protanopia

18.8390, 20.2221, 11.5047

Deuteranopia

20.4506, 20.1073, 5.1861



Tritanopia

36.8855, 19.9639, 3.4227

Trichromacy



Original Color

37.5559, 20.0393, 5.8915

Protanomaly

22.4666, 16.9888, 8.7517

Deuteranomaly

24.2123, 17.4772, 5.0030

Tritanomaly

36.9723, 19.9017, 4.1783

Monochromacy



Original Color

37.5559, 20.0393, 5.8915

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

16.3383, 11.7792, 9.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5559, 20.0393, 5.8915 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(241, 32, 58)` looks like.

```
.text, #text, p{  
    color:rgb(241, 32, 58)  
}
```

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(241, 32, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 32, 58) }
```

Border

The CSS property to change the border of an element to XYZ 37.5559, 20.0393, 5.8915 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(241, 32, 58) }
```


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

```
.border{ border-color:rgb(241, 32, 58) }
```

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

Here you see how a box with a 4 pixel rgb(241, 32, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 32, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 32, 58);  
box-shadow:4px 4px 4px 4px rgb(241, 32,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5559, 20.0393, 5.8915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 32, 58) }
```

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

```
.background{ background-color: rgb(241, 32,  
58) }
```

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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