

Converting Colors

XYZ(36.9122, 19.5121, 2.8310)

Have a look what the booklet for
XYZ(36.9122, 19.5121, 2.8310)
contains.

XYZ(36.8211, 19.4752, 2.8553)	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(36.8211, 19.4752,
2.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	F1191B
RGB	241, 25, 27
RGB Percent	95%, 10%, 11%
CMY	0.0549, 0.9018, 0.8941
CMYK	0.00, 0.90, 0.89, 0.05
HSL	359°, 89%, 52%
HSV	359°, 90%, 95%
XYZ	36.8211, 19.4752, 2.8553
YIQ	89.8120, 128.0940, 46.4140

Conversions

Conversions Part 2

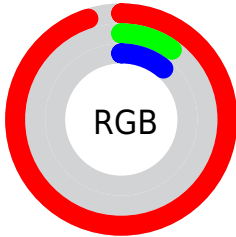
Format	Color
RYB	241, 25, 27
Decimal	15800603
CIELab	51.24, 74.67, 56.51
CIElCh	51, 93.644, 37.117
Yxy	19.4752, 0.6225, 0.3292
Android (android.graphics.Color)	4293990683 (0xFFFF1191B)
YUV	89.8120, -30.9663, 132.5919
Hunter-Lab	44.1307, 71.7053, 27.0554

Details

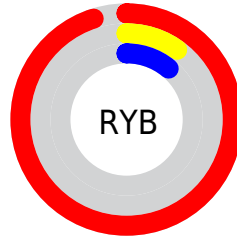
The XYZ color **36.8211, 19.4752, 2.8553** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **47.4415, 69.3511, 92.5717**, and the grayscale version is **9.7269, 10.2335, 11.1443**.

A 20% lighter version of the original color is **47.0672, 30.8823, 10.1368**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **36.3026, 18.7277, 1.7911**, and if you desaturate by 10%, it is **37.9741, 21.1464, 5.1984**.

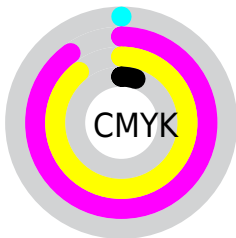
Distribution



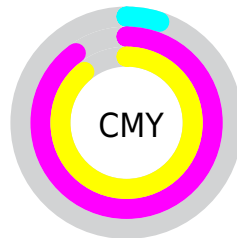
- Red (95%)
- Green (10%)
- Blue (11%)



- Red (95%)
- Yellow (10%)
- Blue (11%)



- Cyan (0%)
- Magenta (90%)
- Yellow (89%)
- Black (5%)





- Cyan (5%)
- Magenta (90%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8211, 19.4752, 2.8553 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 36.8211, 19.4752, 2.8553 by changing the saturation by 10% instead.

 36.8211, 19.4752,
2.8553


 36.8211, 19.4752,
2.8553


323.9043,
249.0597, 134.4958


 25.2420, 12.0141,
1.0212


 69.6132, 42.5355,
11.2692

 16.3872, 6.7533,
0.0000


 91.5569, 58.9036,
18.6862

 9.8911, 3.3083,
0.0000


 117.6862, 79.0095,
28.8012

 5.3885, 1.2947,
0.0000

 148.3665,
103.2376, 42.0328

 2.5141, 0.1371,
0.0000

 183.9631,
131.9723, 58.7995


 0.9024, 0.0000,
0.0000


 224.8414,


 0.0000, 0.0000,


165.5979, 79.5199


0.0000


 271.3667,
204.4989, 104.6125


 36.8211, 19.4752,
2.8553


 36.8211, 19.4752,
2.8553


 36.3026, 18.7277,
1.7911


 37.9741, 21.1464,
5.1984

 36.2874, 18.7054,
1.7610

 39.9351, 24.0011,
9.1417

 42.8159, 28.2057,
14.9024

 46.7107, 33.8989,
22.6636

 51.7020, 41.2025,
32.5865

■ 57.8638, 50.2256,
44.8154

■ 65.2636, 61.0677,
59.4826

■ 73.9639, 73.8209,
76.7101

■ 84.0230, 88.5709,
96.6120

Harmonies

Analogous

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



42.6337, 19.4752, 15.4542



36.8211, 19.4752, 2.8553



26.4008, 19.4752, 0.1446

Triad

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



36.8211, 19.4752, 2.8553



6.4124, 19.4752, 6.8427



20.8239, 19.4752, 123.9878

Complementary

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



36.8211, 19.4752, 2.8553



47.4415, 69.3511, 92.5717

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.



12.3735, 19.4752, 112.5208



36.8211, 19.4752, 2.8553



5.8044, 19.4752, 28.2306

Square

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



36.8211, 19.4752, 2.8553



9.6570, 19.4752, 0.9558



7.5727, 19.4752, 69.7861



31.5865, 19.4752, 94.2412

Rectangle

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



36.8211, 19.4752, 2.8553



19.4277, 19.4752, 0.0000



7.5727, 19.4752, 69.7861



17.6228, 19.4752, 125.0650

Sweetspot

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



36.8215, 19.4764, 2.8556



67.7763, 60.0194, 54.9014



51.2841, 25.1209, 85.3643



13.9342, 12.0077, 10.6155



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.



36.8215, 19.4764, 2.8556



41.2527, 21.2651, 1.9970



44.3564, 34.5815, 5.2586



15.7787, 15.7612, 16.3907



19.6806, 10.1447, 0.9689



1.6393, 0.8448, 0.0913

Inverse Universe

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



36.8215, 19.4764, 2.8556



41.2527, 21.2651, 1.9970



25.1699, 24.3402, 86.5899



15.7787, 15.7612, 16.3907



19.6806, 10.1447, 0.9689



1.6393, 0.8448, 0.0913

Previews

White Background



This preview shows how the XYZ color 36.8211, 19.4752, 2.8553 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 36.8211, 19.4752, 2.8553 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 36.8211, 19.4752, 2.8553

Background



This preview shows how black text looks on a background with the XYZ color 36.8211, 19.4752, 2.8553.



This preview shows how white text looks on a background with the XYZ color 36.8211, 19.4752,

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

36.8211, 19.4752, 2.8553

Protanopia

17.9330, 19.6977, 5.6532

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.7542, 19.4832, 2.3957

Trichromacy



Original Color

36.8211, 19.4752, 2.8553

Protanomaly

21.4704, 16.0836, 3.9803

Deuteranomaly

23.4748, 16.8017, 2.2929

Tritanomaly

36.7804, 19.4937, 2.5336

Monochromacy



Original Color

36.8211, 19.4752, 2.8553

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

14.6384, 10.3214, 6.5309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8211, 19.4752, 2.8553 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, 25, 27)` looks like.

```
.text, #text, p{  
    color:rgb(241, 25, 27)  
}
```

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, 25, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 25, 27) }
```

Border

The CSS property to change the border of an element to XYZ 36.8211, 19.4752, 2.8553 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, 25, 27) }
```


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

```
.border{ border-color:rgb(241, 25, 27) }
```

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

Here you see how a box with a 4 pixel rgb(241, 25, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 25, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 25, 27);  
box-shadow:4px 4px 4px 4px rgb(241, 25,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8211, 19.4752, 2.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 25, 27) }
```

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

```
.background{ background-color: rgb(241, 25,  
27) }
```

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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