

Converting Colors

XYZ(37.4560, 19.8671, 2.7930)

Have a look what the booklet for
XYZ(37.4560, 19.8671, 2.7930)
contains.

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Color

**XYZ(37.5295, 19.9087,
2.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	F31B19
RGB	243, 27, 25
RGB Percent	95%, 11%, 10%
CMY	0.0471, 0.8940, 0.9020
CMYK	0.00, 0.89, 0.90, 0.05
HSL	1°, 90%, 53%
HSV	1°, 90%, 95%
XYZ	37.5295, 19.9087, 2.7844
YIQ	91.3560, 129.3780, 45.1700

Conversions

Conversions Part 2

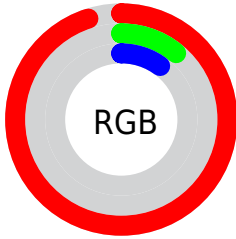
Format	Color
R_{YB}	243, 27, 25
Decimal	15932185
CIE _{Lab}	51.73, 74.86, 57.86
CIE _{LCh}	52, 94.613, 37.700
Yxy	19.9087, 0.6232, 0.3306
Android (android.graphics.Color)	4294122265 (0xFFFF31B19)
YUV	91.3560, -32.7135, 132.9918
Hunter-Lab	44.6192, 72.0541, 27.5335

Details

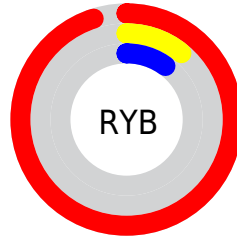
The XYZ color **37.5295, 19.9087, 2.7844** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **48.0245, 69.5698, 95.6904**, and the grayscale version is **10.0801, 10.6051, 11.5490**.

A 20% lighter version of the original color is **47.1297, 31.0618, 9.9901**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **36.9978, 19.1202, 1.7607**, and if you desaturate by 10%, it is **38.7109, 21.6556, 5.0787**.

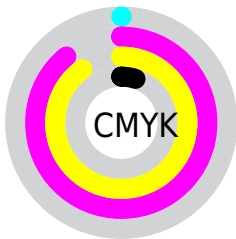
Distribution



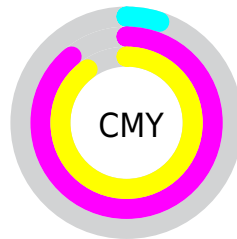
- Red (95%)
- Green (11%)
- Blue (10%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5295, 19.9087, 2.7844 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 37.5295, 19.9087, 2.7844 by changing the saturation by 10% instead.

 37.5295, 19.9087,
2.7844

 37.5295, 19.9087,
2.7844


326.9132,
251.4204, 133.5654


 25.7933, 12.3287,
0.9856


 70.6950, 43.2641,
11.0916


 16.8009, 6.9679,
0.0000


 92.8549, 59.8082,
18.4372

 10.1871, 3.4421,
0.0000


 119.2202, 80.1092,
28.4687

 5.5864, 1.3666,
0.0000

 150.1561,
104.5514, 41.6048

 2.6335, 0.1919,
0.0000

 186.0280,
133.5192, 58.2640


 0.9631, 0.0000,
0.0000


 227.2012,


 0.0000, 0.0000,


167.3971, 78.8648


0.0000


 274.0412,
206.5694, 103.8258


 37.5295, 19.9087,
2.7844


 37.5295, 19.9087,
2.7844


 36.9978, 19.1202,
1.7607


 38.7109, 21.6556,
5.0787

 36.9864, 19.1036,
1.7380

 40.7126, 24.5998,
9.0106

 43.6474, 28.9058,
14.8094

 47.6104, 34.7112,
22.6679

 52.6849, 42.1370,
32.7548

■ 58.9456, 51.2916,
45.2215

■ 66.4610, 62.2743,
60.2060

■ 75.2940, 75.1768,
77.8360

■ 85.5036, 90.0845,
98.2303

Harmonies

Analogous

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



43.6347, 19.9087, 15.3562



37.5295, 19.9087, 2.7844



26.7967, 19.9087, 0.1160

Triad

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



37.5295, 19.9087, 2.7844



6.4952, 19.9087, 7.2014



21.4962, 19.9087, 127.0250

Complementary

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



37.5295, 19.9087, 2.7844



48.0245, 69.5698, 95.6904

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.



12.7653, 19.9087, 116.0918



37.5295, 19.9087, 2.7844



5.9199, 19.9087, 29.5310

Square

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



37.5295, 19.9087, 2.7844



9.7547, 19.9087, 1.0028



7.7801, 19.9087, 72.4959



32.5495, 19.9087, 95.7951

Rectangle

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



37.5295, 19.9087, 2.7844



19.6704, 19.9087, 0.0000



7.7801, 19.9087, 72.4959



18.1940, 19.9087, 128.4366

Sweetspot

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



37.5299, 19.9100, 2.7847



67.8449, 60.2637, 54.5943



53.4870, 26.2208, 87.0353



13.9498, 12.0631, 10.5459



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.



37.5299, 19.9100, 2.7847



41.2658, 21.3116, 1.9386



45.6623, 36.1748, 5.4955



16.5115, 16.5072, 17.1135



20.3050, 10.4955, 0.9556



1.7889, 0.9310, 0.0854

Inverse Universe

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



48.0245, 69.5698, 95.6904



53.0570, 77.2341, 106.7190



25.1035, 23.7278, 88.0501



16.9827, 18.7298, 21.2627



26.1060, 38.0058, 52.4979



2.2987, 3.3487, 4.6155

Previews

White Background



This preview shows how the XYZ color 37.5295, 19.9087, 2.7844 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 37.5295, 19.9087, 2.7844 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 37.5295, 19.9087, 2.7844

Background



This preview shows how black text looks on a background with the XYZ color 37.5295, 19.9087, 2.7844.



This preview shows how white text looks on a background with the XYZ color 37.5295, 19.9087,

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

37.5295, 19.9087, 2.7844

Protanopia

18.3288, 20.0937, 5.3951

Deuteranopia

20.3831, 20.1250, 2.8102



Tritanopia

37.5037, 19.9357, 2.5331

Trichromacy



Original Color

37.5295, 19.9087, 2.7844

Protanomaly

22.0537, 16.6318, 3.8816

Deuteranomaly

24.0368, 17.2081, 2.3131

Tritanomaly

37.5222, 19.9431, 2.6308

Monochromacy



Original Color

37.5295, 19.9087, 2.7844

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

14.9343, 10.6505, 6.5788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5295, 19.9087, 2.7844 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, 27, 25)` looks like.

```
.text, #text, p{  
    color:rgb(243, 27, 25)  
}
```

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, 27, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 27, 25) }
```

Border

The CSS property to change the border of an element to XYZ 37.5295, 19.9087, 2.7844 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, 27, 25) }
```


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

```
.border{ border-color:rgb(243, 27, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 27, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 27, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 27, 25);  
box-shadow:4px 4px 4px 4px rgb(243, 27,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5295, 19.9087, 2.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 27, 25) }
```

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

```
.background{ background-color: rgb(243, 27,  
25) }
```

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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