

Converting Colors

XYZ(37.9050, 19.5493, 19.4662)

Have a look what the booklet for
XYZ(37.9050, 19.5493, 19.4662)
contains.

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Color

**XYZ(37.9193, 19.5546,
19.5451)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1578
RGB	235, 21, 120
RGB Percent	92%, 8%, 47%
CMY	0.0784, 0.9175, 0.5294
CMYK	0.00, 0.91, 0.49, 0.08
HSL	332°, 84%, 50%
HSV	332°, 91%, 92%
XYZ	37.9193, 19.5546, 19.5451
YIQ	96.2720, 95.7650, 76.1570

Conversions

Conversions Part 2

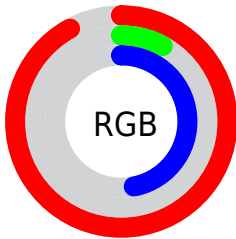
Format	Color
R_{YB}	235, 21, 120
Decimal	15406456
CIE _{Lab}	51.33, 77.87, 3.27
CIE _{LCh}	51, 77.935, 2.401
Yxy	19.5546, 0.4923, 0.2539
Android (android.graphics.Color)	4293596536 (0xFFEB1578)
YUV	96.2720, 11.6979, 121.6645
Hunter-Lab	44.2206, 75.6783, 4.7488

Details

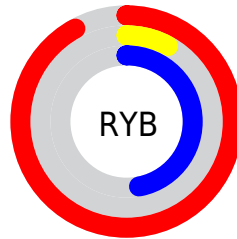
The XYZ color **37.9193, 19.5546, 19.5451** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **34.4645, 61.3548, 33.3311**, and the grayscale version is **11.1447, 11.7251, 12.7686**.

A 20% lighter version of the original color is **53.2436, 33.3529, 42.6612**, and **18.1830, 9.2385, 6.9558** is the 20% darker color. If you saturate the color by 10%, you get **37.0048, 18.7597, 16.0528**, and if you desaturate by 10%, it is **39.3897, 21.1868, 24.0701**.

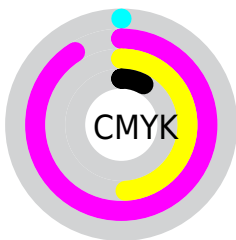
Distribution



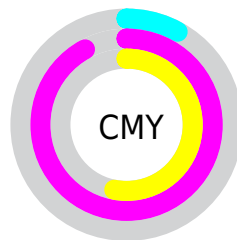
- Red (92%)
- Green (8%)
- Blue (47%)



- Red (92%)
- Yellow (8%)
- Blue (47%)



- Cyan (0%)
- Magenta (91%)
- Yellow (49%)
- Black (8%)





- Cyan (8%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9193, 19.5546, 19.5451 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 37.9193, 19.5546, 19.5451 by changing the saturation by 10% instead.


 37.9193, 19.5546,
19.5451


 37.9193, 19.5546,
19.5451


328.5605,
249.4936, 261.9640


 26.0970, 12.0717,
11.8840


 71.2891, 42.6692,
43.5021


 17.0293, 6.7925,
6.5432


 93.5674, 59.0696,
60.6351


 10.3508, 3.3327,
3.1040


 120.0616, 79.2114,
81.7624

 5.6962, 1.3078,
1.1480

 151.1372,
103.4788, 107.3027

 2.7001, 0.1472,
0.0000

 187.1596,
132.2564, 137.6745

 0.9973, 0.0000,
0.0000

 228.4940,

 0.0000, 0.0000,

165.9284, 173.2963

0.0000

275.5058,
204.8794, 214.5866

■ 37.9193, 19.5546,
19.5451

■ 37.9193, 19.5546,
19.5451

■ 37.0048, 18.7597,
16.0528

■ 39.3897, 21.1868,
24.0701

■ 41.4610, 23.8528,
29.3125

■ 44.2099, 27.7007,
35.3155

■ 47.7006, 32.8533,
42.1168

■ 51.9892, 39.4178,
49.7512

■ 57.1262, 47.4902,
58.2507

■ 63.1577, 57.1581,
67.6453

■ 70.1265, 68.5022,
77.9633

■ 78.0723, 81.5979,
89.2318

Harmonies

Analogous

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



35.2642, 19.5546, 47.9780



37.9193, 19.5546, 19.5451



34.3115, 19.5546, 5.5882

Triad

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



37.9193, 19.5546, 19.5451



11.6618, 19.5546, 1.7305



12.4764, 19.5546, 86.3897

Complementary

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



37.9193, 19.5546, 19.5451



34.4645, 61.3548, 33.3311

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.



8.5935, 19.5546, 53.5277



37.9193, 19.5546, 19.5451



8.2239, 19.5546, 6.9634

Square

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



37.9193, 19.5546, 19.5451



17.9658, 19.5546, 0.7434



7.2807, 19.5546, 23.1392



19.2205, 19.5546, 99.3017

Rectangle

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



37.9193, 19.5546, 19.5451



29.3004, 19.5546, 2.1836



7.2807, 19.5546, 23.1392



10.8654, 19.5546, 76.5446

Sweetspot

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



37.9198, 19.5558, 19.5454



71.4848, 61.5028, 74.4301



25.2798, 11.6990, 79.5228



14.7903, 12.3501, 15.1234



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.



37.9198, 19.5558, 19.5454



44.5068, 22.5667, 19.1328



34.8157, 18.5548, 2.4575



15.3553, 15.1700, 17.1564



20.6579, 10.4659, 9.2659



1.6703, 0.8411, 0.9810

Inverse Universe

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



37.9198, 19.5558, 19.5454



44.5068, 22.5667, 19.1328



43.0123, 61.5719, 88.2146



15.3553, 15.1700, 17.1564



20.6579, 10.4659, 9.2659



1.6703, 0.8411, 0.9810

Previews

White Background



This preview shows how the XYZ color 37.9193, 19.5546, 19.5451 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 37.9193, 19.5546, 19.5451 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 37.9193, 19.5546, 19.5451

Background



This preview shows how black text looks on a background with the XYZ color 37.9193, 19.5546, 19.5451.



This preview shows how white text looks on a background with the XYZ color 37.9193, 19.5546,

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

37.9193, 19.5546, 19.5451

Protanopia

20.4946, 20.0475, 41.3174

Deuteranopia

20.2265, 19.8949, 17.5259



Tritanopia

35.0601, 19.7625, 5.0986

Trichromacy



Original Color

37.9193, 19.5546, 19.5451



Protanomaly

22.2424, 15.6340, 31.5511



Deuteranomaly

23.8097, 16.5154, 17.8525



Tritanomaly

35.6676, 19.3630, 8.6950

Monochromacy



Original Color

37.9193, 19.5546, 19.5451



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

16.7105, 11.4792, 14.6996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9193, 19.5546, 19.5451 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(235, 21, 120)` looks like.

```
.text, #text, p{  
    color:rgb(235, 21, 120)  
}
```

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(235, 21, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 21, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.9193, 19.5546, 19.5451 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(235, 21, 120) }
```


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

```
.border{ border-color:rgb(235, 21, 120) }
```

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

Here you see how a box with a 4 pixel rgb(235, 21, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 21, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 21, 120);  
box-shadow:4px 4px 4px 4px rgb(235, 21,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9193, 19.5546, 19.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 21, 120) }
```

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

```
.background{ background-color: rgb(235, 21,  
120) }
```

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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