

Converting Colors

XYZ(19.7641, 11.6913, 4.2326)

Have a look what the booklet for
XYZ(19.7641, 11.6913, 4.2326)
contains.

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Color

**XYZ(19.7641, 11.6913,
4.2326)**

Conversions

Conversions Part 1

Format	Color
Hex	B13032
RGB	177, 48, 50
RGB Percent	69%, 19%, 20%
CMY	0.3059, 0.8117, 0.8039
CMYK	0.00, 0.73, 0.72, 0.31
HSL	359°, 57%, 44%
HSV	359°, 73%, 69%
XYZ	19.7641, 11.6913, 4.2326
YIQ	86.7990, 76.2420, 27.9700

Conversions

Conversions Part 2

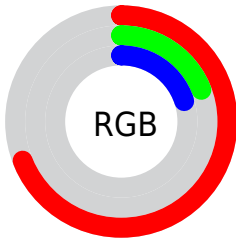
Format	Color
R_{YB}	177, 48, 50
Decimal	11612210
CIE _{Lab}	40.72, 51.73, 30.04
CIE _{LCh}	41, 59.825, 30.146
Yxy	11.6913, 0.5538, 0.3276
Android (android.graphics.Color)	4289802290 (0xFFB13032)
YUV	86.7990, -18.1419, 79.1063
Hunter-Lab	34.1925, 43.3403, 16.5954

Details

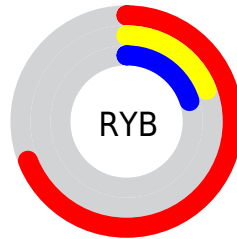
The XYZ color **19.7641, 11.6913, 4.2326** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **24.6800, 35.1680, 46.0488**, and the grayscale version is **9.0429, 9.5139, 10.3606**.

A 20% lighter version of the original color is **42.6045, 28.9143, 14.6448**, and **7.3635, 3.7929, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **18.8720, 10.3987, 2.4203**, and if you desaturate by 10%, it is **21.0886, 13.6200, 6.8951**.

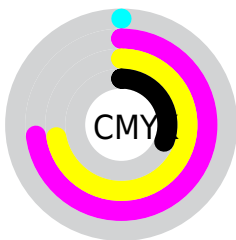
Distribution



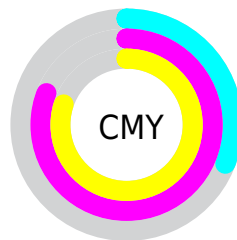
- Red (69%)
- Green (19%)
- Blue (20%)



- Red (69%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (73%)
- Yellow (72%)
- Black (31%)





- Cyan (31%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7641, 11.6913, 4.2326 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 19.7641, 11.6913, 4.2326 by changing the saturation by 10% instead.


 19.7641, 11.6913,
4.2326

 19.7641, 11.6913,
4.2326


243.4932,
202.3508, 150.7767


 12.3309, 6.5338,
1.7538


 42.5283, 28.9316,
14.5427


 7.0433, 3.1723,
0.3972


 58.5900, 41.7833,
23.2112

 3.5358, 1.2223,
0.0000

 78.2587, 57.9684,
34.7799

 1.4430, 0.0798,
0.0000

 101.8996, 77.8715,
49.6674

 0.2866, 0.0000,
0.0000

 129.8782,
101.8769, 68.2923

 0.0000, 0.0000,
0.0000

 162.5597,

130.3689, 91.0731

200.3096,
163.7321, 118.4284

■ 19.7641, 11.6913,
4.2326

■ 19.7641, 11.6913,
4.2326

■ 18.8720, 10.3987,
2.4203

■ 21.0886, 13.6200,
6.8951

■ 18.3576, 9.6599,
1.3545

■ 22.8899, 16.2499,
10.4941

■ 18.1463, 9.3530,
0.9274

■ 25.2078, 19.6405,
15.1059

■ 28.0778, 23.8442,
20.7989

■ 31.5323, 28.9091,
27.6355

■ 35.6010, 34.8791,
35.6733

■ 40.3117, 41.7955,
44.9661

■ 45.6905, 49.6968,
55.5644

■ 51.7620, 58.6196,
67.5160

Harmonies

Analogous

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



21.4283, 11.6913, 12.6702



19.7641, 11.6913, 4.2326



15.6875, 11.6913, 1.3169

Triad

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



19.7641, 11.6913, 4.2326



5.4326, 11.6913, 4.2824



11.1331, 11.6913, 53.2970

Complementary

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



19.7641, 11.6913, 4.2326



24.6800, 35.1680, 46.0488

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.



7.5262, 11.6913, 45.6429



19.7641, 11.6913, 4.2326



4.7882, 11.6913, 12.7896

Square

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



19.7641, 11.6913, 4.2326



7.4984, 11.6913, 1.3301



5.4456, 11.6913, 28.4361



15.7330, 11.6913, 45.5031

Rectangle

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



19.7641, 11.6913, 4.2326



12.5675, 11.6913, 0.7877



5.4456, 11.6913, 28.4361



9.7739, 11.6913, 52.4070

Sweetspot

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



19.7644, 11.6920, 4.2328



56.8118, 52.2713, 50.1627



26.6385, 14.3855, 42.9673



11.9339, 10.7734, 10.1233



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.7644, 11.6920, 4.2328



33.2063, 17.7699, 3.1126



24.2792, 20.7890, 5.5303



8.5015, 8.5073, 8.8734



13.1498, 6.7775, 0.6829



0.4155, 0.2139, 0.0307

Inverse Universe

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



19.7644, 11.6920, 4.2328



33.2063, 17.7699, 3.1126



15.2465, 15.9856, 43.8765



8.5015, 8.5073, 8.8734



13.1498, 6.7775, 0.6829



0.4155, 0.2139, 0.0307

Previews

White Background



This preview shows how the XYZ color 19.7641, 11.6913, 4.2326 looks on a white 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

Black Background



This preview shows how the XYZ color 19.7641, 11.6913, 4.2326 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7641, 11.6913, 4.2326

Background



This preview shows how black text looks on a background with the XYZ color 19.7641, 11.6913, 4.2326.



This preview shows how white text looks on a background with the XYZ color 19.7641, 11.6913,

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

19.7641, 11.6913, 4.2326

Protanopia

11.1135, 11.9579, 7.0325

Deuteranopia

11.9908, 11.8145, 3.8389



Tritanopia

19.7641, 11.6913, 4.2326

Trichromacy



Original Color

19.7641, 11.6913, 4.2326

Protanomaly

12.9984, 10.7542, 5.8056

Deuteranomaly

14.0426, 11.0211, 3.8698

Tritanomaly

19.7641, 11.6913, 4.2326

Monochromacy



Original Color

19.7641, 11.6913, 4.2326

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.3643, 9.2526, 7.6655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7641, 11.6913, 4.2326 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(177, 48, 50)` looks like.

```
.text, #text, p{  
    color:rgb(177, 48, 50)  
}
```

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(177, 48, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 48, 50) }
```

Border

The CSS property to change the border of an element to XYZ 19.7641, 11.6913, 4.2326 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(177, 48, 50) }
```


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

```
.border{ border-color:rgb(177, 48, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 48, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 48, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 48, 50);  
box-shadow:4px 4px 4px 4px rgb(177, 48,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7641, 11.6913, 4.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 48, 50) }
```

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

```
.background{ background-color: rgb(177, 48,  
50) }
```

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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