

Converting Colors

XYZ(19.1988, 10.2541, 1.6292)

Have a look what the booklet for
XYZ(19.1988, 10.2541, 1.6292)
contains.

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Color

**XYZ(19.1988, 10.2541,
1.6292)**

Conversions

Conversions Part 1

Format	Color
Hex	B41414
RGB	180, 20, 20
RGB Percent	71%, 8%, 8%
CMY	0.2941, 0.9215, 0.9216
CMYK	0.00, 0.89, 0.89, 0.29
HSL	0°, 80%, 39%
HSV	0°, 89%, 71%
XYZ	19.1988, 10.2541, 1.6292
YIQ	67.8400, 95.3600, 33.9200

Conversions

Conversions Part 2

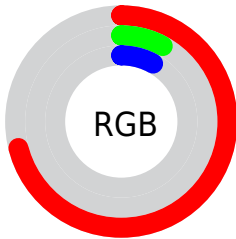
Format	Color
RYB	180, 20, 20
Decimal	11801620
CIELab	38.29, 59.34, 44.33
CIElCh	38, 74.070, 36.760
Yxy	10.2541, 0.6177, 0.3299
Android (android.graphics.Color)	4289991700 (0xFFB41414)
YUV	67.8400, -23.5851, 98.3643
Hunter-Lab	32.0220, 50.9811, 19.3989

Details

The XYZ color **19.1988, 10.2541, 1.6292** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.8440, 36.0786, 48.8341**, and the grayscale version is **5.4963, 5.7825, 6.2972**.

A 20% lighter version of the original color is **41.6194, 26.2820, 8.0336**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.8551, 9.7515, 0.9459**, and if you desaturate by 10%, it is **19.8658, 11.2305, 2.9545**.

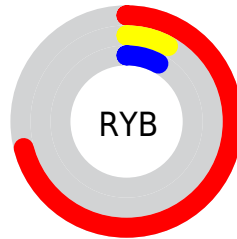
Distribution



Red (71%)

Green (8%)

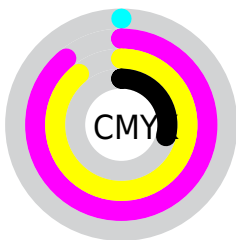
Blue (8%)



Red (71%)

Yellow (8%)

Blue (8%)

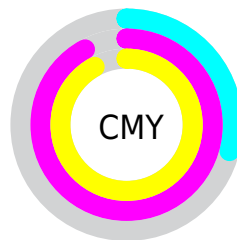


Cyan (0%)

Magenta (89%)

Yellow (89%)

Black (29%)



Cyan (29%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.1988, 10.2541, 1.6292 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 19.1988, 10.2541, 1.6292 by changing the saturation by 10% instead.


 19.1988, 10.2541,
1.6292


 19.1988, 10.2541,
1.6292


240.4612,
192.4761, 116.3239


 11.9189, 5.5678,
0.3115


 41.5840, 26.2724,
7.9998


 6.7603, 2.5841,
0.0000


 57.4201, 38.3731,
14.0260


 3.3576, 0.9187,
0.0000

 76.8388, 53.7140,
22.5041

 1.3456, 0.0000,
0.0000

 100.2057, 72.6796,
33.8529

 0.2169, 0.0000,
0.0000


 127.8860, 95.6542,
48.4907


 0.0000, 0.0000,
0.0000


 160.2451,


123.0222, 66.8361


 197.6484,
155.1681, 89.3077


 19.1988, 10.2541,
1.6292


 19.1988, 10.2541,
1.6292


 18.8551, 9.7515,
0.9459


 19.8658, 11.2305,
2.9545

 18.8225, 9.7037,
0.8809

 20.9510, 12.8186,
5.1115

 22.5080, 15.0970,
8.2065

 24.5822, 18.1322,
12.3297

 27.2137, 21.9829,
17.5609

■ 30.4386, 26.7019,
23.9720

■ 34.2902, 32.3378,
31.6290

■ 38.7990, 38.9354,
40.5926

■ 43.9938, 46.5367,
50.9200

Harmonies

Analogous

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



22.1267, 10.2541, 8.3269



19.1988, 10.2541, 1.6292



13.8727, 10.2541, 0.0000

Triad

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



19.1988, 10.2541, 1.6292



3.4762, 10.2541, 3.6326



10.8766, 10.2541, 63.5793

Complementary

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



19.1988, 10.2541, 1.6292



24.8440, 36.0786, 48.8341

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.



6.5318, 10.2541, 57.5132



19.1988, 10.2541, 1.6292



3.1423, 10.2541, 14.5842

Square

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



19.1988, 10.2541, 1.6292



5.1908, 10.2541, 0.4673



4.0534, 10.2541, 35.7220



16.3996, 10.2541, 48.7012

Rectangle

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



19.1988, 10.2541, 1.6292



10.2787, 10.2541, 0.0000



4.0534, 10.2541, 35.7220



9.2325, 10.2541, 64.0328

Sweetspot

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



19.1990, 10.2547, 1.6293



56.1174, 49.7705, 45.3061



27.3106, 13.4988, 44.3458



11.6675, 10.0819, 8.8748



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.1990, 10.2547, 1.6293



34.1293, 17.5948, 1.5973



23.5057, 18.8681, 3.0649



8.4965, 8.5054, 8.8464



13.1371, 6.7727, 0.6149



0.4134, 0.2132, 0.0194

Inverse Universe

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



24.8440, 36.0786, 48.8341



44.5237, 65.1471, 88.5226



13.0839, 12.5584, 44.9141



8.7426, 9.6314, 10.9046



17.1380, 25.0765, 34.0740



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 19.1988, 10.2541, 1.6292 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



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 19.1988, 10.2541, 1.6292

Background



This preview shows how black text looks on a background with the XYZ color 19.1988, 10.2541, 1.6292.



This preview shows how white text looks on a background with the XYZ color 19.1988, 10.2541,

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

19.1988, 10.2541, 1.6292

Protanopia

9.7240, 10.6592, 3.1350

Tritanopia

19.1768, 10.2741, 1.4243

Trichromacy



Original Color

19.1988, 10.2541, 1.6292

Protanomaly

11.5426, 8.8155, 2.3215

Tritanomaly

19.1917, 10.2801, 1.5031

Monochromacy



Original Color

19.1988, 10.2541, 1.6292

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

8.0880, 5.8579, 3.8364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1988, 10.2541, 1.6292 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(180, 20, 20)` looks like.

```
.text, #text, p{  
    color:rgb(180, 20, 20)  
}
```

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(180, 20, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 20, 20) }
```

Border

The CSS property to change the border of an element to XYZ 19.1988, 10.2541, 1.6292 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(180, 20, 20) }
```

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

```
.border{ border-color:rgb(180, 20, 20) }
```

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

Here you see how a box with a 4 pixel rgb(180, 20, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 20, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 20, 20);  
box-shadow:4px 4px 4px 4px rgb(180, 20,  
20) }
```


Background

The CSS property to change the background color of an element to XYZ 19.1988, 10.2541, 1.6292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 20, 20) }
```

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

```
.background{ background-color: rgb(180, 20,  
20) }
```

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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