

Converting Colors

XYZ(19.9525, 12.6141, 2.4090)

Have a look what the booklet for
XYZ(19.9525, 12.6141, 2.4090)
contains.

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Color

**XYZ(19.8933, 12.5542,
2.4116)**

Conversions

Conversions Part 1

Format	Color
Hex	B13B1B
RGB	177, 59, 27
RGB Percent	69%, 23%, 11%
CMY	0.3059, 0.7686, 0.8941
CMYK	0.00, 0.67, 0.85, 0.31
HSL	13°, 74%, 40%
HSV	13°, 85%, 69%
XYZ	19.8933, 12.5542, 2.4116
YIQ	90.6340, 80.6000, 15.0640

Conversions

Conversions Part 2

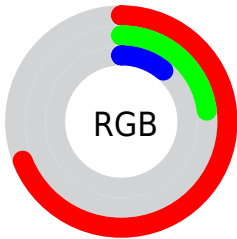
Format	Color
R_{YB}	177, 68, 27
Decimal	11615003
CIE _{Lab}	42.08, 46.50, 43.98
CIE _{LCh}	42, 64.006, 43.400
Yxy	12.5542, 0.5707, 0.3601
Android (android.graphics.Color)	4289805083 (0xFFB13B1B)
YUV	90.6340, -31.3716, 75.7430
Hunter-Lab	35.4319, 38.2133, 20.7669

Details

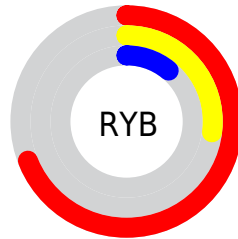
The XYZ color **19.8933, 12.5542, 2.4116** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.5120, 23.6558, 45.1851**, and the grayscale version is **9.9176, 10.4341, 11.3627**.

A 20% lighter version of the original color is **42.6268, 30.4335, 10.1061**, and **7.2025, 3.7130, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **19.1239, 11.2507, 1.4307**, and if you desaturate by 10%, it is **20.9773, 14.2902, 4.1052**.

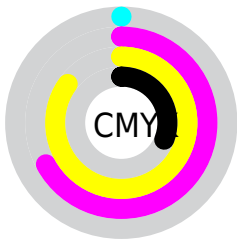
Distribution



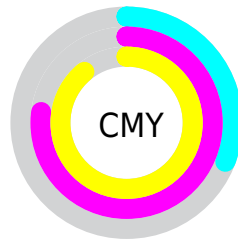
- Red (69%)
- Green (23%)
- Blue (11%)



- Red (69%)
- Yellow (27%)
- Blue (11%)



- Cyan (0%)
- Magenta (67%)
- Yellow (85%)
- Black (31%)





- Cyan (31%)
- Magenta (77%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8933, 12.5542, 2.4116 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 19.8933, 12.5542, 2.4116 by changing the saturation by 10% instead.


 19.8933, 12.5542,
2.4116


 19.8933, 12.5542,
2.4116


244.1815,
208.0405, 128.4722


 12.4253, 7.1223,
0.7928


 42.7435, 30.5005,
10.1383


 7.1083, 3.5387,
0.0000


 58.8565, 43.7837,
17.0932


 3.5768, 1.4190,
0.0000


 78.5818, 60.4528,
26.6672

 1.4656, 0.2307,
0.0000

 102.2849, 80.8922,
39.2788


 0.3023, 0.0000,
0.0000


 130.3310,
105.4863, 55.3465


 0.0000, 0.0000,
0.0000


 163.0856,


134.6194, 75.2890


 200.9140,
168.6760, 99.5247


 19.8933, 12.5542,
2.4116


 19.8933, 12.5542,
2.4116


 19.1239, 11.2507,
1.4307


 20.9773, 14.2902,
4.1052

 18.8171, 10.7185,
1.0771

 22.4083, 16.4921,
6.6175

 24.2151, 19.1919,
10.0371

 26.4232, 22.4184,
14.4405

 29.0555, 26.1979,
19.8964

■ 32.1334, 30.5551,
26.4671

■ 35.6766, 35.5130,
34.2102

■ 39.7038, 41.0936,
43.1790

■ 44.2324, 47.3174,
53.4239

Harmonies

Analogous

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



23.2324, 12.5542, 8.4505



19.8933, 12.5542, 2.4116



14.7425, 12.5542, 0.7844

Triad

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



19.8933, 12.5542, 2.4116



5.1354, 12.5542, 7.4657



14.1815, 12.5542, 58.3024

Complementary

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



19.8933, 12.5542, 2.4116



18.5120, 23.6558, 45.1851

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.



9.5042, 12.5542, 57.3120



19.8933, 12.5542, 2.4116



5.0603, 12.5542, 20.6877

Square

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



19.8933, 12.5542, 2.4116



6.6842, 12.5542, 2.1005



6.4417, 12.5542, 40.7438



19.3896, 12.5542, 42.9246

Rectangle

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



19.8933, 12.5542, 2.4116



11.3978, 12.5542, 0.6058



6.4417, 12.5542, 40.7438



12.4835, 12.5542, 60.0754

Sweetspot

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



19.8936, 12.5549, 2.4118



57.1483, 54.1577, 46.5341



23.7898, 12.2375, 28.7119



11.9602, 11.1374, 9.1719



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.



19.8936, 12.5549, 2.4118



33.5700, 18.9346, 1.8854



26.5805, 25.9287, 4.6408



8.6385, 8.7895, 8.8938



13.6710, 7.8405, 0.7928



0.4724, 0.3312, 0.0390

Inverse Universe

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



18.5120, 23.6558, 45.1851



30.6410, 38.5416, 80.3196



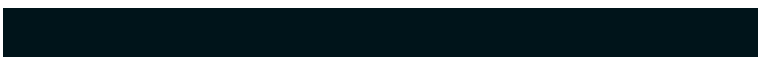
10.7052, 8.0421, 42.5828



8.5857, 9.3176, 10.8523



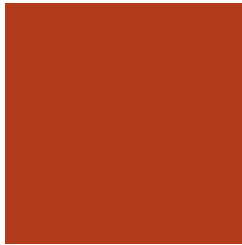
12.5087, 15.8178, 32.5309



0.4321, 0.5748, 1.0364

Previews

White Background



This preview shows how the XYZ color 19.8933, 12.5542, 2.4116 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 19.8933, 12.5542, 2.4116

Background



This preview shows how black text looks on a background with the XYZ color 19.8933, 12.5542, 2.4116.



This preview shows how white text looks on a background with the XYZ color 19.8933, 12.5542,

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

19.8933, 12.5542, 2.4116

Protanopia

11.5891, 12.6990, 3.6741

Deuteranopia

12.8939, 12.7162, 2.0333



Tritanopia

20.5380, 12.5988, 5.3523

Trichromacy



Original Color

19.8933, 12.5542, 2.4116

Protanomaly

13.6906, 11.8467, 3.0784

Deuteranomaly

14.7879, 12.0917, 2.0447

Tritanomaly

20.3363, 12.5965, 4.0488

Monochromacy



Original Color

19.8933, 12.5542, 2.4116

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.8654, 10.1469, 6.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8933, 12.5542, 2.4116 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, 59, 27)` looks like.

```
.text, #text, p{  
    color:rgb(177, 59, 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(177, 59, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 59, 27) }
```

Border

The CSS property to change the border of an element to XYZ 19.8933, 12.5542, 2.4116 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, 59, 27) }
```


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

```
.border{ border-color:rgb(177, 59, 27) }
```

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

Here you see how a box with a 4 pixel rgb(177, 59, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 59, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 59, 27);  
box-shadow:4px 4px 4px 4px rgb(177, 59,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8933, 12.5542, 2.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 59, 27) }
```

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

```
.background{ background-color: rgb(177, 59,  
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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