

Converting Colors

XYZ(19.5220, 21.6179, 3.1438)

Have a look what the booklet for
XYZ(19.5220, 21.6179, 3.1438)
contains.

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Color

**XYZ(19.3962, 21.4581,
3.1195)**

Conversions

Conversions Part 1

Format	Color
Hex	918000
RGB	145, 128, 0
RGB Percent	57%, 50%, 0%
CMY	0.4314, 0.4980, 1.0000
CMYK	0.00, 0.12, 1.00, 0.43
HSL	53°, 100%, 28%
HSV	53°, 100%, 57%
XYZ	19.3962, 21.4581, 3.1195
YIQ	118.4910, 51.2200, -36.2040

Conversions

Conversions Part 2

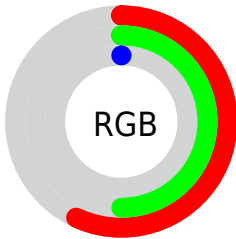
Format	Color
R_{YB}	19, 145, 0
Decimal	9535488
CIE _{Lab}	53.45, -4.97, 58.54
CIE _{LCh}	53, 58.749, 94.853
Yxy	21.4581, 0.4411, 0.4880
Android (android.graphics.Color)	4287725568 (0xFF918000)
YUV	118.4910, -58.4161, 23.2484
Hunter-Lab	46.3229, -6.3240, 28.4333

Details

The XYZ color **19.3962, 21.4581, 3.1195** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3114, 2.4453, 26.9798**, and the grayscale version is **17.5417, 18.4552, 20.0977**.

A 20% lighter version of the original color is **41.9630, 45.7443, 11.9280**, and **7.0124, 7.7656, 1.1293** is the 20% darker color. If you saturate the color by 10%, you get **19.3965, 21.4589, 3.1197**, and if you desaturate by 10%, it is **19.7030, 21.9394, 3.6300**.

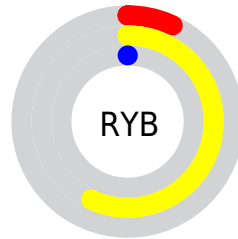
Distribution



Red (57%)

Green (50%)

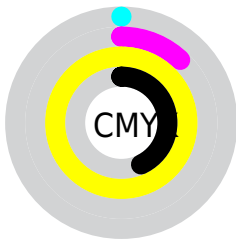
Blue (0%)



Red (7%)

Yellow (57%)

Blue (0%)

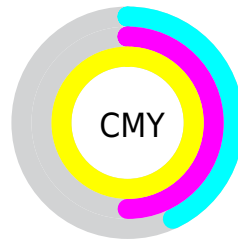


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3962, 21.4581, 3.1195 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 19.3962, 21.4581, 3.1195 by changing the saturation by 10% instead.

■ 19.3962, 21.4581,
3.1195

■ 19.3962, 21.4581,
3.1195

241.5237,
259.7031, 137.8684

■ 12.0626, 13.4593,
1.1560

■ 41.9142, 45.8487,
11.9219

■ 6.8588, 7.7456,
0.0000

■ 57.8294, 63.0093,
19.5979

■ 3.4195, 3.9326,
0.0000

■ 77.3358, 83.9925,
30.0151

■ 1.3793, 1.6359,
0.0000

■ 100.7988,
109.1829, 43.5920

■ 0.2414, 0.3816,
0.0000

■ 128.5837,
138.9647, 60.7473

■ 0.0000, 0.0000,
0.0000

■ 161.0559,

173.7224, 81.8994

198.5808,
213.8404, 107.4669

19.3962, 21.4581,
3.1195

19.3962, 21.4581,
3.1195

19.3965, 21.4589,
3.1197

19.7030, 21.9394,
3.6300

20.0694, 22.4496,
4.4383

20.5240, 23.0011,
5.6925

21.0773, 23.5981,
7.4480

21.7383, 24.2443,
9.7519

■ 22.5150, 24.9428,
12.6461

■ 23.4145, 25.6966,
16.1684

■ 24.4434, 26.5082,
20.3534

■ 25.6079, 27.3803,
25.2331

Harmonies

Analogous

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



25.9356, 21.4581, 4.0126



19.3962, 21.4581, 3.1195



14.2737, 21.4581, 4.9803

Triad

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



19.3962, 21.4581, 3.1195



12.0428, 21.4581, 49.0435



33.3111, 21.4581, 41.2375

Complementary

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



19.3962, 21.4581, 3.1195



5.3114, 2.4453, 26.9798

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.



28.0562, 21.4581, 64.4749



19.3962, 21.4581, 3.1195



15.7061, 21.4581, 70.3698

Square

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



19.3962, 21.4581, 3.1195



10.6173, 21.4581, 26.3960



21.4281, 21.4581, 77.1156



34.8531, 21.4581, 20.5740

Rectangle

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



19.3962, 21.4581, 3.1195



12.0677, 21.4581, 8.6316



21.4281, 21.4581, 77.1156



31.8743, 21.4581, 49.2812

Sweetspot

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



19.3967, 21.4591, 3.1199



41.8241, 45.9312, 28.5233



11.7975, 6.0680, 1.1809



9.1652, 10.1032, 5.7954



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.3967, 21.4591, 3.1199



34.6541, 38.2649, 5.5594



14.5226, 22.5174, 3.5811



5.7864, 6.1790, 5.7771



16.6494, 18.4306, 2.6799



0.1691, 0.1960, 0.0289

Inverse Universe

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



5.3114, 2.4453, 26.9798



9.4419, 4.2395, 48.2942



6.5881, 2.8060, 26.9821



5.1774, 5.3505, 6.7886



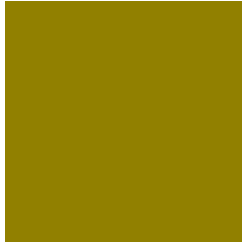
4.5667, 2.1194, 23.1455



0.0516, 0.0362, 0.2239

Previews

White Background



This preview shows how the XYZ color 19.3962, 21.4581, 3.1195 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 19.3962, 21.4581, 3.1195 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 19.3962, 21.4581, 3.1195

Background



This preview shows how black text looks on a background with the XYZ color 19.3962, 21.4581, 3.1195.

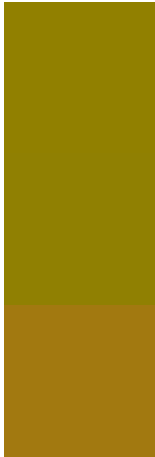


This preview shows how white text looks on a background with the XYZ color 19.3962, 21.4581,

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

19.3962, 21.4581, 3.1195

Protanopia

19.2317, 21.3720, 3.1690

Deuteranopia

21.8312, 21.3935, 3.4689



Tritanopia

23.4420, 21.4276, 23.3225

Trichromacy



Original Color

19.3962, 21.4581, 3.1195

Protanomaly

19.2262, 21.3698, 3.1402

Deuteranomaly

20.9727, 21.5051, 3.3327

Tritanomaly

20.8392, 20.9027, 10.7209

Monochromacy



Original Color

19.3962, 21.4581, 3.1195

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1316, 19.0163, 9.4242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3962, 21.4581, 3.1195 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(145, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 128, 0)  
}
```

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(145, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.3962, 21.4581, 3.1195 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(145, 128, 0) }
```


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

```
.border{ border-color:rgb(145, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3962, 21.4581, 3.1195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 128, 0) }
```

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

```
.background{ background-color: rgb(145,  
128, 0) }
```

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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