

Converting Colors

XYZ(19.5807, 21.7353, 3.1633)

Have a look what the booklet for
XYZ(19.5807, 21.7353, 3.1633)
contains.

XYZ(19.5273, 21.7203, 3.1632)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5273, 21.7203,
3.1632)**

Conversions

Conversions Part 1

Format	Color
Hex	918100
RGB	145, 129, 0
RGB Percent	57%, 51%, 0%
CMY	0.4314, 0.4941, 1.0000
CMYK	0.00, 0.11, 1.00, 0.43
HSL	53°, 100%, 28%
HSV	53°, 100%, 57%
XYZ	19.5273, 21.7203, 3.1632
YIQ	119.0780, 50.9450, -36.7270

Conversions

Conversions Part 2

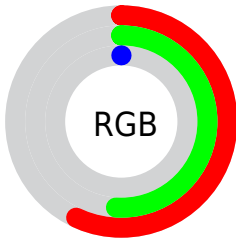
Format	Color
R_YB	18, 145, 0
Decimal	9535744
CIE Lab	53.73, -5.52, 58.74
CIE LCh	54, 58.999, 95.371
Yxy	21.7203, 0.4397, 0.4891
Android (android.graphics.Color)	4287725824 (0xFF918100)
YUV	119.0780, -58.7055, 22.7336
Hunter-Lab	46.6050, -6.7681, 28.5994

Details

The XYZ color **19.5273, 21.7203, 3.1632** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2962, 2.4150, 26.9748**, and the grayscale version is **17.7289, 18.6522, 20.3123**.

A 20% lighter version of the original color is **42.3697, 46.5577, 12.0636**, and **7.0851, 7.9110, 1.1535** is the 20% darker color. If you saturate the color by 10%, you get **19.5276, 21.7211, 3.1634**, and if you desaturate by 10%, it is **19.8229, 22.1792, 3.6700**.

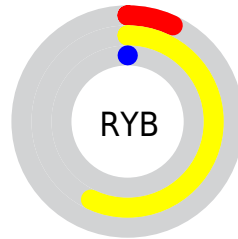
Distribution



Red (57%)

Green (51%)

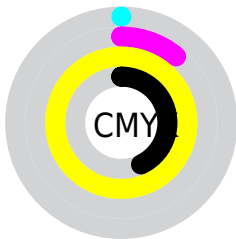
Blue (0%)



Red (7%)

Yellow (57%)

Blue (0%)

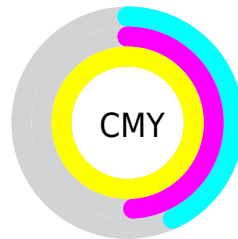


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5273, 21.7203, 3.1632 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 19.5273, 21.7203, 3.1632 by changing the saturation by 10% instead.

■ 19.5273, 21.7203,
3.1632

■ 19.5273, 21.7203,
3.1632

242.2271,
261.0821, 138.4128

■ 12.1582, 13.6515,
1.1786

■ 42.1333, 46.2833,
12.0286

■ 6.9245, 7.8787,
0.0000

■ 58.1008, 63.5463,
19.7464

■ 3.4608, 4.0174,
0.0000

■ 77.6652, 84.6428,
30.2123

■ 1.4019, 1.6833,
0.0000

■ 101.1917,
109.9572, 43.8449


■ 0.2576, 0.4128,
0.0000


■ 129.0459,
139.8740, 61.0627


■ 0.0000, 0.0000,
0.0000


■ 161.5929,


174.7775, 82.2843


 199.1982,
215.0520, 107.9281


 19.5273, 21.7203,
3.1632


 19.5273, 21.7203,
3.1632


 19.5276, 21.7211,
3.1634

 19.8229, 22.1792,
3.6700

 20.1777, 22.6662,
4.4744

 20.6202, 23.1936,
5.7246

 21.1611, 23.7658,
7.4759

 21.8092, 24.3861,
9.7755

■ 22.5726, 25.0580,
12.6653

■ 23.4583, 25.7843,
16.1831

■ 24.4731, 26.5676,
20.3633

■ 25.6230, 27.4104,
25.2382

Harmonies

Analogous

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



26.1368, 21.7203, 4.0190



19.5273, 21.7203, 3.1632



14.3763, 21.7203, 5.1041

Triad

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



19.5273, 21.7203, 3.1632



12.2332, 21.7203, 50.0725



33.7853, 21.7203, 41.3297

Complementary

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



19.5273, 21.7203, 3.1632



5.2962, 2.4150, 26.9748

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.



28.5120, 21.7203, 64.9179



19.5273, 21.7203, 3.1632



15.9811, 21.7203, 71.5191

Square

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



19.5273, 21.7203, 3.1632



10.7519, 21.7203, 27.0608



21.8035, 21.7203, 78.0106



35.2683, 21.7203, 20.5381

Rectangle

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



19.5273, 21.7203, 3.1632



12.1696, 21.7203, 8.8687



21.8035, 21.7203, 78.0106



32.3511, 21.7203, 49.4661

Sweetspot

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



19.5278, 21.7213, 3.1636



41.9042, 46.0915, 28.5501



11.7776, 6.0601, 1.0761



9.1851, 10.1430, 5.8021



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.



19.5278, 21.7213, 3.1636



34.8930, 38.7427, 5.6390



14.2855, 22.3952, 3.5700



5.7895, 6.1852, 5.7781



16.7613, 18.6543, 2.7172



0.1696, 0.1971, 0.0291

Inverse Universe

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



5.2962, 2.4150, 26.9748



9.4176, 4.1907, 48.2861



6.7188, 2.8734, 26.9883



5.1745, 5.3449, 6.7877



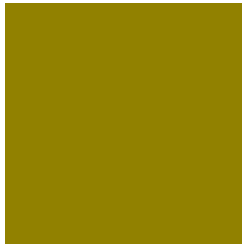
4.5533, 2.0926, 23.1410



0.0511, 0.0351, 0.2238

Previews

White Background



This preview shows how the XYZ color 19.5273, 21.7203, 3.1632 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 19.5273, 21.7203, 3.1632 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 19.5273, 21.7203, 3.1632

Background



This preview shows how black text looks on a background with the XYZ color 19.5273, 21.7203, 3.1632.



This preview shows how white text looks on a background with the XYZ color 19.5273, 21.7203,

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

19.5273, 21.7203, 3.1632

Protanopia

19.5273, 21.7203, 3.1632

Deuteranopia

21.9534, 21.6379, 3.5097



Tritanopia

23.6278, 21.6933, 23.7108

Trichromacy



Original Color

19.5273, 21.7203, 3.1632

Protanomaly

19.5273, 21.7203, 3.1632

Deuteranomaly

21.0987, 21.7571, 3.3747

Tritanomaly

21.0004, 21.1647, 10.9610

Monochromacy



Original Color

19.5273, 21.7203, 3.1632

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.2896, 19.2769, 9.6470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5273, 21.7203, 3.1632 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 129, 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, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5273, 21.7203, 3.1632 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, 129, 0) }
```


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

```
.border{ border-color:rgb(145, 129, 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, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5273, 21.7203, 3.1632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 129, 0) }
```

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

```
.background{ background-color: rgb(145,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor