

Converting Colors

XYZ(19.9260, 31.7848, 10.6176)

Have a look what the booklet for
XYZ(19.9260, 31.7848, 10.6176)
contains.

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Color

**XYZ(19.9207, 31.7673,
10.5506)**

Conversions

Conversions Part 1

Format	Color
Hex	5BAB44
RGB	91, 171, 68
RGB Percent	36%, 67%, 27%
CMY	0.6431, 0.3294, 0.7333
CMYK	0.47, 0.00, 0.60, 0.33
HSL	107°, 43%, 47%
HSV	107°, 60%, 67%
XYZ	19.9207, 31.7673, 10.5506
YIQ	135.3380, -14.6170, -48.9930

Conversions

Conversions Part 2

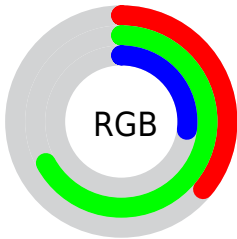
Format	Color
RYB	68, 171, 148
Decimal	6007620
CIELab	63.15, -44.16, 44.60
CIELCh	63, 62.768, 134.715
Yxy	31.7673, 0.3201, 0.5104
Android (android.graphics.Color)	4284197700 (0xFF5BAB44)
YUV	135.3380, -33.1976, -38.8844
Hunter-Lab	56.3625, -35.5455, 28.3551

Details

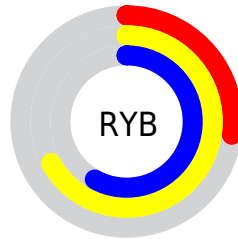
The XYZ color **19.9207, 31.7673, 10.5506** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.6321, 13.3714, 39.9706**, and the grayscale version is **23.2790, 24.4913, 26.6711**.

A 20% lighter version of the original color is **42.8919, 62.4973, 27.5718**, and **7.1467, 13.2930, 2.5699** is the 20% darker color. If you saturate the color by 10%, you get **18.2778, 30.9731, 8.1358**, and if you desaturate by 10%, it is **21.9491, 32.7446, 13.7794**.

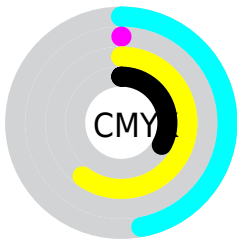
Distribution



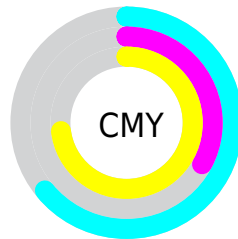
- Red (36%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (58%)



- Cyan (47%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)



- Cyan (64%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9207, 31.7673, 10.5506 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 19.9207, 31.7673, 10.5506 by changing the saturation by 10% instead.

■ 19.9207, 31.7673,
10.5506

■ 19.9207, 31.7673,
10.5506

244.3272,
310.0579, 205.1834

■ 12.4453, 21.1838,
5.6552

■ 42.7891, 62.4461,
27.4499

■ 7.1221, 13.2584,
2.5712

■ 58.9130, 83.3102,
40.2909

■ 3.5856, 7.6067,
0.8775

■ 78.6503, 108.3700,
56.6175

■ 1.4705, 3.8444,
0.0000

■ 102.3665,
138.0099, 76.8482

■ 0.3056, 1.5869,
0.0000

■ 130.4269,
172.6142, 101.4017

■ 0.0000, 0.3487,
0.0000

163.1970,

■ 0.0000, 0.0000,

212.5674, 130.6963

0.0000

201.0420,
258.2538, 165.1507

■ 19.9207, 31.7673,
10.5506

■ 19.9207, 31.7673,
10.5506

■ 18.2778, 30.9731,
8.1358

■ 21.9491, 32.7446,
13.7794

■ 16.9923, 30.3461,
6.4603

■ 24.3842, 33.9116,
17.8838

■ 16.0354, 29.8744,
5.4394

■ 27.2480, 35.2794,
22.9221

■ 15.3696, 29.5426,
4.8922

■ 30.5605, 36.8571,
28.9469

■ 34.3402, 38.6533,
36.0069

■ 38.6046, 40.6759,
44.1475

■ 43.3703, 42.9326,
53.4115

■ 48.6532, 45.4307,
63.8393

■ 54.4683, 48.1771,
75.4695

Harmonies

Analogous

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



26.1553, 31.7673, 5.9174



19.9207, 31.7673, 10.5506



16.8022, 31.7673, 23.4712

Triad

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



19.9207, 31.7673, 10.5506



26.0102, 31.7673, 104.0778



49.3510, 31.7673, 23.8267

Complementary

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



19.9207, 31.7673, 10.5506



21.6321, 13.3714, 39.9706

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.



49.2916, 31.7673, 48.7584



19.9207, 31.7673, 10.5506



34.6281, 31.7673, 104.3339

Square

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



19.9207, 31.7673, 10.5506



19.8321, 31.7673, 80.2098



43.5027, 31.7673, 80.7989



43.6523, 31.7673, 10.7033

Rectangle

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



19.9207, 31.7673, 10.5506



16.4442, 31.7673, 38.6629



43.5027, 31.7673, 80.7989



50.0344, 31.7673, 30.8122

Sweetspot

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



19.9215, 31.7687, 10.5513



55.9603, 66.5916, 54.1151



28.2678, 29.9338, 9.7572



12.0747, 14.6577, 11.3206



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.9215, 31.7687, 10.5513



31.9678, 55.0966, 13.5243



19.0346, 31.1909, 15.9560



8.0656, 9.0224, 8.5298



11.6246, 22.2898, 3.6897



0.3695, 0.6439, 0.1048

Inverse Universe

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



21.6321, 13.3714, 39.9706



35.1885, 19.1863, 70.8506



23.8613, 14.7924, 27.7978



8.1595, 8.0565, 10.0777



12.8584, 5.9886, 29.5227



0.4004, 0.1886, 0.8233

Previews

White Background



This preview shows how the XYZ color 19.9207, 31.7673, 10.5506 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.9207, 31.7673, 10.5506 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 ✓ Pass

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

XYZ 19.9207, 31.7673, 10.5506

Background



This preview shows how black text looks on a background with the XYZ color 19.9207, 31.7673, 10.5506.



This preview shows how white text looks on a background with the XYZ color 19.9207, 31.7673,

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

19.9207, 31.7673, 10.5506

Protanopia

28.4599, 31.2393, 9.0872

Deuteranopia

31.9234, 31.3374, 11.2037



Tritanopia

26.5440, 31.4737, 44.2112

Trichromacy



Original Color

19.9207, 31.7673, 10.5506

Protanomaly

24.3081, 30.8292, 9.5199

Deuteranomaly

25.7071, 30.2676, 10.7907

Tritanomaly

23.2422, 31.1838, 27.7157

Monochromacy



Original Color

19.9207, 31.7673, 10.5506

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.0669, 26.2494, 18.9952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9207, 31.7673, 10.5506 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(91, 171, 68)` looks like.

```
.text, #text, p{  
    color:rgb(91, 171, 68)  
}
```

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(91, 171, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 171, 68) }
```

Border

The CSS property to change the border of an element to XYZ 19.9207, 31.7673, 10.5506 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(91, 171, 68) }
```


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

```
.border{ border-color:rgb(91, 171, 68) }
```

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

Here you see how a box with a 4 pixel rgb(91, 171, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 171, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 171, 68);  
box-shadow:4px 4px 4px 4px rgb(91, 171,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9207, 31.7673, 10.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 171, 68) }
```

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

```
.background{ background-color: rgb(91, 171,  
68) }
```

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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