

Converting Colors

XYZ(19.9595, 31.9999, 13.7190)

Have a look what the booklet for
XYZ(19.9595, 31.9999, 13.7190)
contains.

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Color

**XYZ(19.9595, 31.9999,
13.7190)**

Conversions

Conversions Part 1

Format	Color
Hex	53AC55
RGB	83, 172, 85
RGB Percent	33%, 67%, 33%
CMY	0.6745, 0.3255, 0.6667
CMYK	0.52, 0.00, 0.51, 0.33
HSL	121°, 35%, 50%
HSV	121°, 52%, 67%
XYZ	19.9595, 31.9999, 13.7190
YIQ	135.4710, -25.1170, -45.9250

Conversions

Conversions Part 2

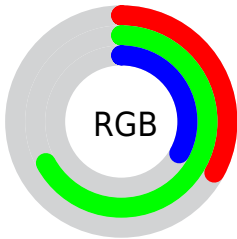
Format	Color
RYB	83, 170, 172
Decimal	5483605
CIELab	63.34, -44.80, 36.53
CIElCh	63, 57.808, 140.804
Yxy	31.9999, 0.3039, 0.4872
Android (android.graphics.Color)	4283673685 (0xFF53AC55)
YUV	135.4710, -24.8822, -46.0171
Hunter-Lab	56.5685, -36.0132, 25.2189

Details

The XYZ color **19.9595, 31.9999, 13.7190** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **27.3631, 17.8600, 40.0360**, and the grayscale version is **23.3014, 24.5149, 26.6967**.

A 20% lighter version of the original color is **42.8348, 62.7533, 33.1475**, and **7.1838, 13.4595, 3.8884** is the 20% darker color. If you saturate the color by 10%, you get **18.0357, 31.0773, 10.5471**, and if you desaturate by 10%, it is **22.4201, 33.1828, 17.7459**.

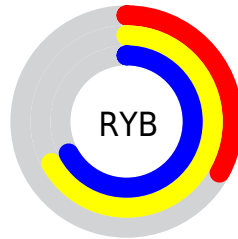
Distribution



Red (33%)

Green (67%)

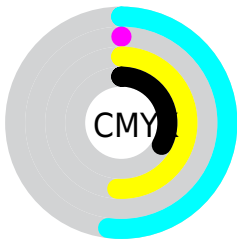
Blue (33%)



Red (33%)

Yellow (67%)

Blue (67%)

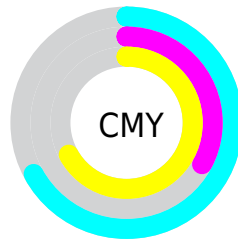


Cyan (52%)

Magenta (0%)

Yellow (51%)

Black (33%)



Cyan (67%)


Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9595, 31.9999, 13.7190 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 19.9595, 31.9999, 13.7190 by changing the saturation by 10% instead.


 19.9595, 31.9999,
13.7190


 19.9595, 31.9999,
13.7190


244.5335,
311.1188, 226.8430


 12.4737, 21.3614,
7.7890

 42.8537, 62.8109,
33.2995

 7.1416, 13.3884,
3.8744


 58.9929, 83.7523,
47.7871


 3.5980, 7.6966,
1.5567


 78.7472, 108.8967,
65.9643

 1.4773, 3.9014,
0.2596

 102.4820,
138.6286, 88.2496

 0.3103, 1.6186,
0.0000

 130.5627,
173.3324, 115.0615

 0.0000, 0.3701,
0.0000

163.3546,

 0.0000, 0.0000,

213.3924, 146.8187

0.0000

201.2231,
259.1931, 183.9397

■ 19.9595, 31.9999,
13.7190

■ 19.9595, 31.9999,
13.7190

■ 18.0357, 31.0773,
10.5471

■ 22.4201, 33.1828,
17.7459

■ 16.6064, 30.3917,
8.1665

■ 25.4509, 34.6391,
22.6809

■ 15.6272, 29.9226,
6.5082

■ 29.0853, 36.3860,
28.5758

■ 15.0445, 29.6441,
5.4905

■ 33.3536, 38.4380,
35.4774

■ 14.7743, 29.5148,
5.0293

■ 38.2838, 40.8088,
43.4296

■ 43.9027, 43.5110,
52.4739

■ 50.2351, 46.5568,
62.6494

■ 57.3048, 49.9576,
73.9931

■ 65.1346, 53.7244,
86.5406

Harmonies

Analogous

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



25.2592, 31.9999, 7.7148



19.9595, 31.9999, 13.7190



17.5891, 31.9999, 28.2497

Triad

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



19.9595, 31.9999, 13.7190



28.0162, 31.9999, 99.1637



47.2306, 31.9999, 21.3908

Complementary

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



19.9595, 31.9999, 13.7190



27.3631, 17.8600, 40.0360

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.



48.3216, 31.9999, 42.3885



19.9595, 31.9999, 13.7190



36.2284, 31.9999, 94.5918

Square

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



19.9595, 31.9999, 13.7190



21.6721, 31.9999, 81.5093



44.0020, 31.9999, 70.8754



41.2402, 31.9999, 10.5973

Rectangle

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



19.9595, 31.9999, 13.7190



17.6413, 31.9999, 43.7959



44.0020, 31.9999, 70.8754



48.2193, 31.9999, 27.2009

Sweetspot

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



19.9603, 32.0012, 13.7197



56.8430, 67.9684, 58.4403



33.0047, 38.7349, 13.9208



12.0230, 14.6123, 12.1663



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.



19.9603, 32.0012, 13.7197



32.3125, 56.1819, 18.4610



22.2820, 32.9299, 25.9455



7.9115, 8.9422, 8.5591



10.9968, 21.9640, 3.7571



0.3082, 0.6119, 0.1167

Inverse Universe

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



27.3631, 17.8600, 40.0360



47.2218, 27.6861, 71.4510



23.8744, 16.4645, 21.6646



8.3292, 8.1449, 10.0443



17.9323, 8.6355, 28.3526



0.5012, 0.2412, 0.8013

Previews

White Background



This preview shows how the XYZ color 19.9595, 31.9999, 13.7190 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 19.9595, 31.9999, 13.7190 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 19.9595, 31.9999, 13.7190

Background



This preview shows how black text looks on a background with the XYZ color 19.9595, 31.9999, 13.7190.



This preview shows how white text looks on a background with the XYZ color 19.9595, 31.9999,

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

19.9595, 31.9999, 13.7190

Protanopia

28.9148, 31.6574, 11.7942

Deuteranopia

32.0647, 31.3378, 14.4840



Tritanopia

26.2517, 31.8194, 45.3156

Trichromacy



Original Color

19.9595, 31.9999, 13.7190

Protanomaly

24.3725, 31.0541, 12.4940

Deuteranomaly

25.7373, 30.4599, 13.9740

Tritanomaly

23.3426, 31.7122, 30.4820

Monochromacy



Original Color

19.9595, 31.9999, 13.7190

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.0032, 26.1772, 20.7753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9595, 31.9999, 13.7190 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(83, 172, 85)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 85)  
}
```

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(83, 172, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 85) }
```

Border

The CSS property to change the border of an element to XYZ 19.9595, 31.9999, 13.7190 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(83, 172, 85) }
```


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

```
.border{ border-color:rgb(83, 172, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 85);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9595, 31.9999, 13.7190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 85) }
```

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

```
.background{ background-color: rgb(83, 172,  
85) }
```

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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