

Converting Colors

XYZ(19.5858, 31.0303, 24.6738)

Have a look what the booklet for
XYZ(19.5858, 31.0303, 24.6738)
contains.

XYZ(19.5568, 30.9859, 24.6888)	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(19.5568, 30.9859,
24.6888)**

Conversions

Conversions Part 1

Format	Color
Hex	34AA7E
RGB	52, 170, 126
RGB Percent	20%, 67%, 49%
CMY	0.7961, 0.3333, 0.5059
CMYK	0.69, 0.00, 0.26, 0.33
HSL	158°, 53%, 44%
HSV	158°, 69%, 67%
XYZ	19.5568, 30.9859, 24.6888
YIQ	129.7020, -56.2040, -38.7000

Conversions

Conversions Part 2

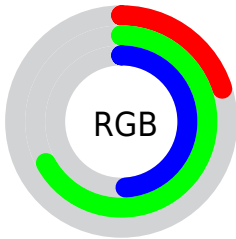
Format	Color
RYB	52, 125, 170
Decimal	3451518
CIELab	62.50, -43.16, 13.38
CIELCh	62, 45.188, 162.777
Yxy	30.9859, 0.2600, 0.4119
Android (android.graphics.Color)	4281641598 (0xFF34AA7E)
YUV	129.7020, -1.8251, -68.1447
Hunter-Lab	55.6650, -34.7012, 12.6689

Details

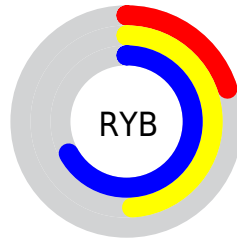
The XYZ color **19.5568, 30.9859, 24.6888** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.9179, 11.8473, 12.3045**, and the grayscale version is **21.1341, 22.2347, 24.2136**.

A 20% lighter version of the original color is **42.1431, 61.1581, 52.2313**, and **7.7008, 13.2584, 9.1744** is the 20% darker color. If you saturate the color by 10%, you get **18.4382, 30.4558, 22.5688**, and if you desaturate by 10%, it is **21.0180, 31.6912, 26.9616**.

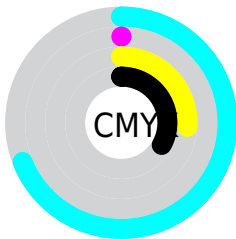
Distribution



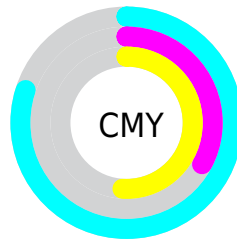
- Red (20%)
- Green (67%)
- Blue (49%)



- Red (20%)
- Yellow (49%)
- Blue (67%)



- Cyan (69%)
- Magenta (0%)
- Yellow (26%)
- Black (33%)



- Cyan (80%)
- Magenta (33%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5568, 30.9859, 24.6888 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 19.5568, 30.9859, 24.6888 by changing the saturation by 10% instead.

■ 19.5568, 30.9859,
24.6888

■ 19.5568, 30.9859,
24.6888

242.3852,
306.4734, 289.6825

■ 12.1797, 20.5881,
15.6284

■ 42.1825, 61.2179,
52.1098

■ 6.9392, 12.8233,
9.1101

■ 58.1618, 81.8208,
71.3074

■ 3.4701, 7.3070,
4.7153

■ 77.7392, 106.5943,
94.7213

■ 1.4070, 3.6548,
2.0254

■ 101.2801,
135.9227, 122.7699

■ 0.2612, 1.4824,
0.5708

■ 129.1497,
170.1904, 155.8718

■ 0.0000, 0.2763,
0.0000

161.7136,

■ 0.0000, 0.0000,

209.7819, 194.4455

0.0000

199.3369,
255.0814, 238.9095

■ 19.5568, 30.9859,
24.6888

■ 19.5568, 30.9859,
24.6888

■ 18.4382, 30.4558,
22.5688

■ 21.0180, 31.6912,
26.9616

■ 17.6236, 30.0787,
20.5952

■ 22.8503, 32.5839,
29.3888

■ 17.0408, 29.8182,
18.7628

■ 25.0816, 33.6793,
31.9748

■ 17.0086, 29.8039,
18.6588

■ 27.7368, 34.9900,
34.7231

■ 30.8382, 36.5276,
37.6369

■ 34.4069, 38.3028,
40.7195

■ 38.4625, 40.3257,
43.9738

■ 43.0233, 42.6057,
47.4029

■ 48.1068, 45.1518,
51.0097

Harmonies

Analogous

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



22.1420, 30.9859, 14.5156



19.5568, 30.9859, 24.6888



19.3770, 30.9859, 41.7780

Triad

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



19.5568, 30.9859, 24.6888



32.1388, 30.9859, 78.5930



38.9893, 30.9859, 15.5978

Complementary

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



19.5568, 30.9859, 24.6888



19.9179, 11.8473, 12.3045

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.



42.5231, 30.9859, 26.8026



19.5568, 30.9859, 24.6888



38.2141, 30.9859, 65.1195

Square

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



19.5568, 30.9859, 24.6888



26.0936, 30.9859, 77.4067



42.2212, 30.9859, 44.7664



33.0850, 30.9859, 10.6591

Rectangle

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



19.5568, 30.9859, 24.6888



20.6022, 30.9859, 55.5404



42.2212, 30.9859, 44.7664



40.5283, 30.9859, 18.5506

Sweetspot

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



19.5576, 30.9871, 24.6895



54.7759, 65.6897, 67.2198



19.9502, 31.5529, 8.2881



11.8713, 14.4784, 14.6719



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.



19.5576, 30.9871, 24.6895



32.6355, 54.8757, 39.0900



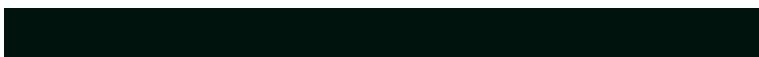
20.6005, 27.4889, 42.2518



7.6271, 8.4839, 9.0225



12.5389, 21.9343, 13.8706



0.3286, 0.5431, 0.4613

Inverse Universe

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



19.9179, 11.8473, 12.3045



33.3835, 17.9224, 15.4387



19.1329, 12.6640, 4.6852



7.6425, 7.5869, 8.4345



12.8879, 6.5639, 4.2211



0.3384, 0.1696, 0.2334

Previews

White Background



This preview shows how the XYZ color 19.5568, 30.9859, 24.6888 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 19.5568, 30.9859, 24.6888 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 19.5568, 30.9859, 24.6888

Background



This preview shows how black text looks on a background with the XYZ color 19.5568, 30.9859, 24.6888.



This preview shows how white text looks on a background with the XYZ color 19.5568, 30.9859,

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

19.5568, 30.9859, 24.6888

Protanopia

28.5559, 30.5472, 20.9141

Deuteranopia

30.9327, 30.2704, 26.0422



Tritanopia

23.7807, 30.7852, 46.2837

Trichromacy



Original Color

19.5568, 30.9859, 24.6888



Protanomaly

23.3323, 29.5350, 22.2404



Deuteranomaly

24.3226, 28.9834, 25.4315



Tritanomaly

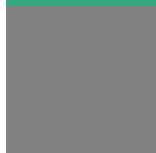
21.9877, 30.8649, 37.1464

Monochromacy



Original Color

19.5568, 30.9859, 24.6888



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.5673, 24.6606, 24.4975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5568, 30.9859, 24.6888 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(52, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(52, 170, 126)  
}
```

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(52, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 170, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.5568, 30.9859, 24.6888 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(52, 170, 126) }
```


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

```
.border{ border-color:rgb(52, 170, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 170, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(52, 170,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5568, 30.9859, 24.6888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 170, 126) }
```

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

```
.background{ background-color: rgb(52, 170,  
126) }
```

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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