

Converting Colors

XYZ(19.3235, 26.2611, 36.4433)

Have a look what the booklet for
XYZ(19.3235, 26.2611, 36.4433)
contains.

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Color

**XYZ(19.2501, 26.1209,
36.3750)**

Conversions

Conversions Part 1

Format	Color
Hex	39999E
RGB	57, 153, 158
RGB Percent	22%, 60%, 62%
CMY	0.7764, 0.4000, 0.3804
CMYK	0.64, 0.03, 0.00, 0.38
HSL	183°, 47%, 42%
HSV	183°, 64%, 62%
XYZ	19.2501, 26.1209, 36.3750
YIQ	124.8660, -58.8210, -18.7970

Conversions

Conversions Part 2

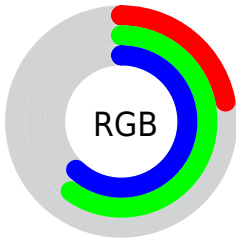
Format	Color
RYB	57, 106, 158
Decimal	3774878
CIELab	58.15, -25.99, -10.93
CIELCh	58, 28.192, 202.805
Yxy	26.1209, 0.2355, 0.3195
Android (android.graphics.Color)	4281964958 (0xFF39999E)
YUV	124.8660, 16.3351, -59.5185
Hunter-Lab	51.1086, -22.2079, -6.4218




Details

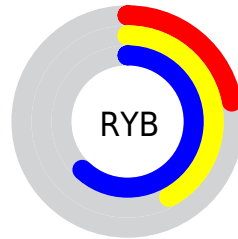
The XYZ color **19.2501, 26.1209, 36.3750** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.5623, 11.0104, 5.1239**, and the grayscale version is **19.4097, 20.4206, 22.2380**.




A 20% lighter version of the original color is **41.7686, 53.6289, 71.1008**, and **7.3075, 10.3689, 15.5262** is the 20% darker color. If you saturate the color by 10%, you get **18.3583, 25.4723, 36.2973**, and if you desaturate by 10%, it is **20.4246, 26.9176, 36.4674**.

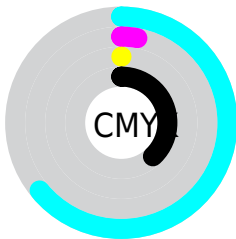
Distribution







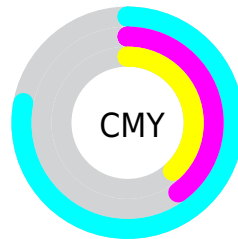
-  Red (22%)
-  Green (60%)
-  Blue (62%)






-  Red (22%)
-  Yellow (42%)
-  Blue (62%)



-  Cyan (64%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (78%)
-  Magenta (40%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2501, 26.1209, 36.3750 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 19.2501, 26.1209, 36.3750 by changing the saturation by 10% instead.

■ 19.2501, 26.1209,
36.3750

■ 19.2501, 26.1209,
36.3750

240.7377,
283.3751, 345.6835

■ 11.9562, 16.9141,
24.4320

■ 41.6699, 53.4699,
70.7860

■ 6.7859, 10.1733,
15.4392

■ 57.5265, 72.3809,
94.0911

■ 3.3737, 5.5140,
8.9782

■ 76.9681, 95.2955,
122.0206

■ 1.3543, 2.5519,
4.6303

■ 100.3600,
122.5980, 154.9931

■ 0.2233, 0.9025,
1.9771

■ 128.0675,
154.6728, 193.4271

■ 0.0000, 0.0000,
0.5412

160.4561,

■ 0.0000, 0.0000,

191.9043, 237.7411

0.0000

197.8910,
234.6769, 288.3537

■ 19.2501, 26.1209,
36.3750

■ 19.2501, 26.1209,
36.3750

■ 18.3583, 25.4723,
36.2973

■ 20.4246, 26.9176,
36.4674

■ 17.7199, 24.9551,
36.2311

■ 21.9030, 27.8716,
36.5736

■ 17.3032, 24.5534,
36.1755

■ 23.7072, 28.9949,
36.6953

■ 17.1069, 24.3391,
36.1445

■ 25.8563, 30.2972,
36.8334

■ 28.3681, 31.7877,
36.9887

■ 31.2590, 33.4749,
37.1620

■ 34.5446, 35.3669,
37.3540

■ 38.2395, 37.4711,
37.5654

■ 42.3574, 39.7947,
37.7969

Harmonies

Analogous

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



18.8629, 26.1209, 26.1492



19.2501, 26.1209, 36.3750



21.0636, 26.1209, 46.2159

Triad

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



19.2501, 26.1209, 36.3750



30.4368, 26.1209, 41.3991



25.6591, 26.1209, 13.5604

Complementary

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



19.2501, 26.1209, 36.3750



16.5623, 11.0104, 5.1239

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.



29.0142, 26.1209, 15.9320



19.2501, 26.1209, 36.3750



31.9321, 26.1209, 30.8634

Square

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



19.2501, 26.1209, 36.3750



27.4616, 26.1209, 49.5500



31.3890, 26.1209, 21.7541



22.3668, 26.1209, 14.3837

Rectangle

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



19.2501, 26.1209, 36.3750



22.9352, 26.1209, 50.4676



31.3890, 26.1209, 21.7541



26.8203, 26.1209, 13.9876

Sweetspot

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



19.2509, 26.1219, 36.3756



48.9461, 56.2070, 67.0127



14.7402, 25.6543, 8.5016



10.7638, 12.5104, 15.0911



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.2509, 26.1219, 36.3756



32.7528, 45.7984, 65.8572



12.8234, 13.2668, 34.2331



6.7937, 7.4532, 8.4872



13.7093, 19.5101, 28.9505



0.2528, 0.3642, 0.5202

Inverse Universe

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



21.3141, 12.4960, 31.4266



36.9149, 19.3830, 55.6328



20.5096, 18.9051, 6.4397



6.8900, 6.7489, 8.2717



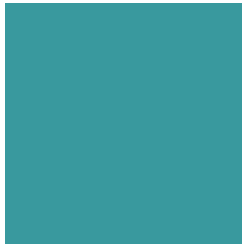
15.7180, 7.5918, 23.8298



0.2849, 0.1373, 0.4465

Previews

White Background



This preview shows how the XYZ color 19.2501, 26.1209, 36.3750 looks on a white background.

Color Contrast Check

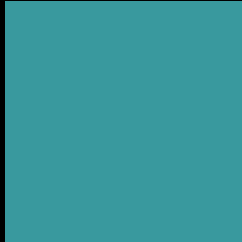
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2501, 26.1209, 36.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

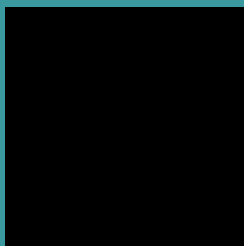
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

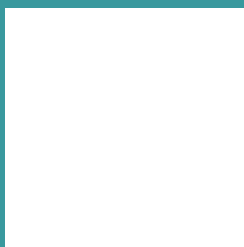
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2501, 26.1209, 36.3750

Background



This preview shows how black text looks on a background with the XYZ color 19.2501, 26.1209, 36.3750.

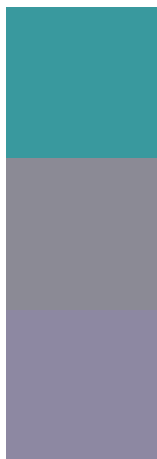


This preview shows how white text looks on a background with the XYZ color 19.2501, 26.1209,

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

19.2501, 26.1209, 36.3750

Protanopia

25.1608, 25.8359, 32.0945

Deuteranopia

26.3103, 25.8797, 37.7910



Tritanopia

19.7926, 26.0975, 39.1161

Trichromacy



Original Color

19.2501, 26.1209, 36.3750

Protanomaly

21.7966, 25.1631, 33.4139

Deuteranomaly

22.5364, 25.2342, 37.4011

Tritanomaly

19.5535, 25.9949, 38.1694

Monochromacy



Original Color

19.2501, 26.1209, 36.3750

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.4349, 21.8434, 26.9115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2501, 26.1209, 36.3750 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(57, 153, 158)` looks like.

```
.text, #text, p{  
    color:rgb(57, 153, 158)  
}
```

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(57, 153, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 153, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.2501, 26.1209, 36.3750 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(57, 153, 158) }
```


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

```
.border{ border-color:rgb(57, 153, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 153, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 153, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 153, 158);  
box-shadow:4px 4px 4px 4px rgb(57, 153,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2501, 26.1209, 36.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 153, 158) }
```

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

```
.background{ background-color: rgb(57, 153,  
158) }
```

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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