

Converting Colors

XYZ(16.9625, 25.1687, 26.0097)

Have a look what the booklet for
XYZ(16.9625, 25.1687, 26.0097)
contains.

XYZ(16.9901, 25.1797, 26.1550)	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(16.9901, 25.1797,
26.1550)**

Conversions

Conversions Part 1

Format	Color
Hex	339985
RGB	51, 153, 133
RGB Percent	20%, 60%, 52%
CMY	0.8000, 0.4000, 0.4784
CMYK	0.67, 0.00, 0.13, 0.40
HSL	168°, 50%, 40%
HSV	168°, 67%, 60%
XYZ	16.9901, 25.1797, 26.1550
YIQ	120.2220, -54.3720, -27.8440

Conversions

Conversions Part 2

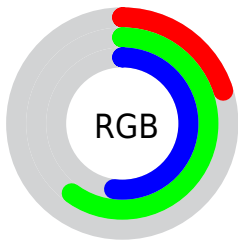
Format	Color
RYB	51, 108, 153
Decimal	3381637
CIELab	57.25, -34.07, 1.97
CIElCh	57, 34.132, 176.696
Yxy	25.1797, 0.2487, 0.3685
Android (android.graphics.Color)	4281571717 (0xFF339985)
YUV	120.2220, 6.2996, -60.7077
Hunter-Lab	50.1794, -27.3761, 4.2218

Details

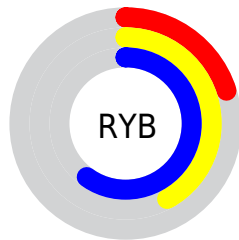
The XYZ color **16.9901, 25.1797, 26.1550** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4589, 9.5956, 6.9995**, and the grayscale version is **17.9173, 18.8504, 20.5281**.

A 20% lighter version of the original color is **37.8492, 51.9719, 54.4911**, and **6.2539, 9.9475, 9.9779** is the 20% darker color. If you saturate the color by 10%, you get **16.1382, 24.7648, 25.0489**, and if you desaturate by 10%, it is **18.1030, 25.7297, 27.3053**.

Distribution



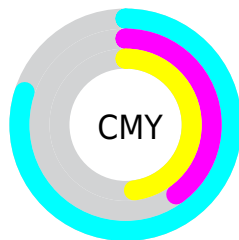
- Red (20%)
- Green (60%)
- Blue (52%)



- Red (20%)
- Yellow (42%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (13%)
- Black (40%)



- Cyan (80%)
- Magenta (40%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9901, 25.1797, 26.1550 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 16.9901, 25.1797, 26.1550 by changing the saturation by 10% instead.

■ 16.9901, 25.1797,
26.1550

■ 16.9901, 25.1797,
26.1550

228.2727,
278.7317, 297.1718

■ 10.3227, 16.2110,
16.7128

■ 37.8525, 51.9486,
54.5120

■ 5.6773, 9.6736,
9.8702

■ 52.7782, 70.5176,
74.2640

■ 2.6887, 5.1831,
5.2085

■ 71.1873, 93.0554,
98.2896

■ 0.9913, 2.3551,
2.3092

■ 93.4453, 119.9466,
127.0075

■ 0.0000, 0.8026,
0.7364

■ 119.9175,
151.5754, 160.8361

■ 0.0000, 0.0000,
0.0000

150.9692,

188.3262, 200.1940

186.9658,
230.5835, 245.4997

■ 16.9901, 25.1797,
26.1550

■ 16.9901, 25.1797,
26.1550

■ 16.1382, 24.7648,
25.0489

■ 18.1030, 25.7297,
27.3053

■ 15.5192, 24.4686,
23.9839

■ 19.4974, 26.4236,
28.4994

■ 15.0936, 24.2715,
22.9582

■ 21.1939, 27.2725,
29.7391

■ 14.9668, 24.2133,
22.6236

■ 23.2109, 28.2859,
31.0254

■ 25.5650, 29.4724,
32.3594

■ 28.2719, 30.8401,
33.7421

■ 31.3461, 32.3963,
35.1743

■ 34.8013, 34.1483,
36.6569

■ 38.6507, 36.1028,
38.1909

Harmonies

Analogous

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



18.0142, 25.1797, 16.9327



16.9901, 25.1797, 26.1550



17.6465, 25.1797, 38.6640

Triad

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



16.9901, 25.1797, 26.1550



27.5915, 25.1797, 52.4563



28.4523, 25.1797, 12.7189

Complementary

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



16.9901, 25.1797, 26.1550



15.4589, 9.5956, 6.9995

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.



31.5580, 25.1797, 18.5937



16.9901, 25.1797, 26.1550



31.0231, 25.1797, 41.5226

Square

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



16.9901, 25.1797, 26.1550



23.4879, 25.1797, 56.1338



32.5475, 25.1797, 28.7177



24.3827, 25.1797, 10.6739

Rectangle

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



16.9901, 25.1797, 26.1550



18.9941, 25.1797, 46.9824



32.5475, 25.1797, 28.7177



29.6604, 25.1797, 14.2132

Sweetspot

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



16.9908, 25.1807, 26.1556



44.1372, 51.9500, 57.0486



14.6175, 24.3772, 7.0673



9.5071, 11.3507, 12.4615



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.9908, 25.1807, 26.1556



28.3067, 44.0635, 43.9114



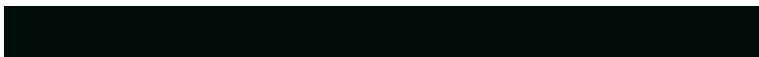
14.1246, 17.0222, 32.6792



6.3326, 7.0058, 7.6751



12.3811, 20.0159, 18.7593



0.1969, 0.3040, 0.3426

Inverse Universe

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



15.4589, 9.5956, 6.9995



25.4148, 14.0859, 7.3376



16.7225, 12.9866, 4.7578



6.2559, 6.2415, 6.7275



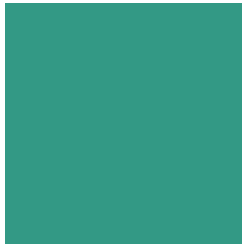
11.0611, 5.6787, 1.5807



0.1760, 0.0892, 0.0797

Previews

White Background



This preview shows how the XYZ color 16.9901, 25.1797, 26.1550 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 16.9901, 25.1797, 26.1550 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

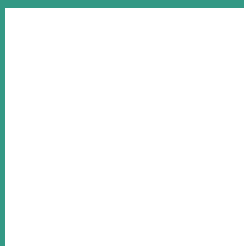
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9901, 25.1797, 26.1550

Background



This preview shows how black text looks on a background with the XYZ color 16.9901, 25.1797, 26.1550.

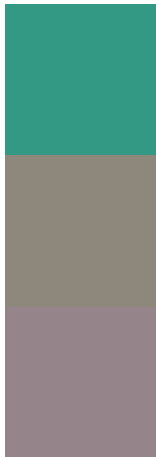


This preview shows how white text looks on a background with the XYZ color 16.9901, 25.1797,

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

16.9901, 25.1797, 26.1550

Protanopia

23.5976, 24.8143, 22.6147

Deuteranopia

25.2331, 24.7271, 27.4876



Tritanopia

19.2948, 25.1581, 37.5573

Trichromacy



Original Color

16.9901, 25.1797, 26.1550

Protanomaly

19.8104, 24.1295, 23.6920

Deuteranomaly

20.6321, 24.0445, 26.8462

Tritanomaly

18.2959, 24.9769, 33.1349

Monochromacy



Original Color

16.9901, 25.1797, 26.1550

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6723, 20.4161, 22.4640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9901, 25.1797, 26.1550 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(51, 153, 133)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 133)  
}
```

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(51, 153, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.9901, 25.1797, 26.1550 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(51, 153, 133) }
```


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

```
.border{ border-color:rgb(51, 153, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 133);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9901, 25.1797, 26.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 133) }
```

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

```
.background{ background-color: rgb(51, 153,  
133) }
```

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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