

Converting Colors

XYZ(19.6317, 28.4601, 33.8341)

Have a look what the booklet for
XYZ(19.6317, 28.4601, 33.8341)
contains.

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Color

**XYZ(19.5497, 28.3525,
33.7204)**

Conversions

Conversions Part 1

Format	Color
Hex	30A197
RGB	48, 161, 151
RGB Percent	19%, 63%, 59%
CMY	0.8117, 0.3686, 0.4078
CMYK	0.70, 0.00, 0.06, 0.37
HSL	175°, 54%, 41%
HSV	175°, 70%, 63%
XYZ	19.5497, 28.3525, 33.7204
YIQ	126.0730, -64.1380, -27.0660

Conversions

Conversions Part 2

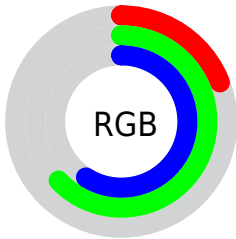
Format	Color
RYB	48, 107, 161
Decimal	3187095
CIELab	60.21, -33.33, -3.92
CIElCh	60, 33.558, 186.715
Yxy	28.3525, 0.2395, 0.3474
Android (android.graphics.Color)	4281377175 (0xFF30A197)
YUV	126.0730, 12.2890, -68.4700
Hunter-Lab	53.2471, -27.6460, -0.2743

Details

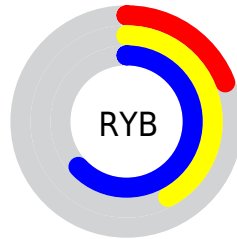
The XYZ color **19.5497, 28.3525, 33.7204** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.5195, 9.9972, 5.0629**, and the grayscale version is **19.8321, 20.8649, 22.7219**.

A 20% lighter version of the original color is **42.1309, 56.8990, 66.5197**, and **7.7689, 11.8574, 13.9358** is the 20% darker color. If you saturate the color by 10%, you get **18.8090, 27.9846, 33.0858**, and if you desaturate by 10%, it is **20.5691, 28.8652, 34.3766**.

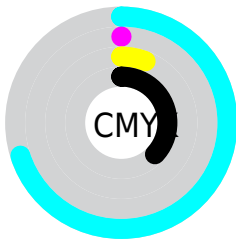
Distribution



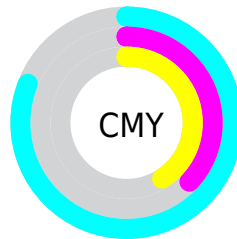
- Red (19%)
- Green (63%)
- Blue (59%)



- Red (19%)
- Yellow (42%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (37%)



- Cyan (81%)
- Magenta (37%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5497, 28.3525, 33.7204 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 19.5497, 28.3525, 33.7204 by changing the saturation by 10% instead.

■ 19.5497, 28.3525,
33.7204

■ 19.5497, 28.3525,
33.7204

242.3471,
294.1475, 333.6145

■ 12.1745, 18.5915,
22.4033

■ 42.1707, 57.0467,
66.6275

■ 6.9357, 11.3755,
13.9524

■ 58.1471, 76.7488,
89.0546

■ 3.4679, 6.3200,
7.9492

■ 77.7214, 100.5334,
116.0221

■ 1.4057, 3.0406,
3.9751

■ 101.2588,
128.7848, 147.9486

■ 0.2603, 1.1530,
1.6117

■ 129.1247,
161.8876, 185.2525

■ 0.0000, 0.0228,
0.2992

161.6845,

■ 0.0000, 0.0000,

200.2260, 228.3524

0.0000

199.3035,
244.1845, 277.6669

■ 19.5497, 28.3525,
33.7204

■ 19.5497, 28.3525,
33.7204

■ 18.8090, 27.9846,
33.0858

■ 20.5691, 28.8652,
34.3766

■ 18.3130, 27.7420,
32.4693

■ 21.8914, 29.5333,
35.0537

■ 17.9924, 27.5895,
31.8790

■ 23.5411, 30.3700,
35.7534

■ 25.5396, 31.3863,
36.4769

■ 27.9063, 32.5922,
37.2250

■ 30.6592, 33.9972,
37.9986

■ 33.8153, 35.6097,
38.7985

■ 37.3903, 37.4381,
39.6255

■ 41.3993, 39.4901,
40.4803

Harmonies

Analogous

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



20.0513, 28.3525, 22.4329



19.5497, 28.3525, 33.7204



20.8548, 28.3525, 47.2814

Triad

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



19.5497, 28.3525, 33.7204



32.1936, 28.3525, 53.9795



30.3467, 28.3525, 13.8424

Complementary

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



19.5497, 28.3525, 33.7204



16.5195, 9.9972, 5.0629

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.



34.1260, 28.3525, 18.7792



19.5497, 28.3525, 33.7204



35.2690, 28.3525, 41.1973

Square

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



19.5497, 28.3525, 33.7204



27.9256, 28.3525, 60.8252



36.0112, 28.3525, 28.1869



25.9939, 28.3525, 12.8343

Rectangle

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



19.5497, 28.3525, 33.7204



22.6649, 28.3525, 55.1668



36.0112, 28.3525, 28.1869



31.7398, 28.3525, 15.0188

Sweetspot

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



19.5505, 28.3536, 33.7211



49.4266, 58.0877, 66.4998



15.1007, 26.6433, 7.1437



10.5917, 12.6129, 14.5083



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.



19.5505, 28.3536, 33.7211



33.1545, 49.8559, 58.6523



13.8752, 15.6474, 36.0084



7.2490, 8.0004, 8.9227



14.3771, 22.0372, 25.5001



0.3094, 0.4660, 0.5745

Inverse Universe

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



16.5195, 9.9972, 5.0629



27.4338, 14.9049, 4.3370



19.1644, 15.6554, 4.8086



7.0981, 7.0957, 7.5028



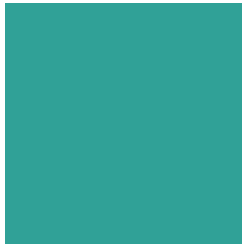
11.8106, 6.0803, 0.9273



0.2553, 0.1306, 0.0571

Previews

White Background



This preview shows how the XYZ color 19.5497, 28.3525, 33.7204 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 19.5497, 28.3525, 33.7204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

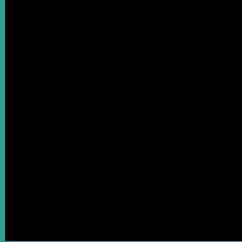
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5497, 28.3525, 33.7204

Background



This preview shows how black text looks on a background with the XYZ color 19.5497, 28.3525, 33.7204.

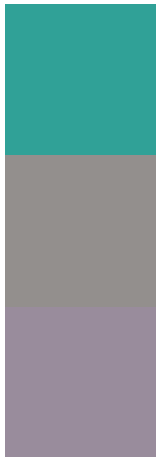


This preview shows how white text looks on a background with the XYZ color 19.5497, 28.3525,

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

19.5497, 28.3525, 33.7204

Protanopia

26.6628, 27.7711, 29.1544

Deuteranopia

28.5157, 27.9288, 35.3403



Tritanopia

21.3812, 28.3238, 42.8682

Trichromacy



Original Color

19.5497, 28.3525, 33.7204

Protanomaly

22.5727, 27.2365, 30.8555

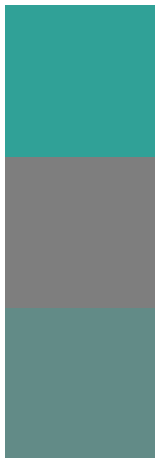
Deuteranomaly

23.4929, 27.1577, 34.5756

Tritanomaly

20.6745, 28.2888, 39.4926

Monochromacy



Original Color

19.5497, 28.3525, 33.7204

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.6428, 22.8112, 26.3421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5497, 28.3525, 33.7204 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(48, 161, 151)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 151)  
}
```

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(48, 161, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.5497, 28.3525, 33.7204 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(48, 161, 151) }
```


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

```
.border{ border-color:rgb(48, 161, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 161, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 151);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5497, 28.3525, 33.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 151) }
```

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

```
.background{ background-color: rgb(48, 161,  
151) }
```

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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