

Converting Colors

XYZ(19.9627, 28.4241, 36.1358)

Have a look what the booklet for
XYZ(19.9627, 28.4241, 36.1358)
contains.

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Color

**XYZ(20.0496, 28.5524,
36.3527)**

Conversions

Conversions Part 1

Format	Color
Hex	30A19D
RGB	48, 161, 157
RGB Percent	19%, 63%, 62%
CMY	0.8117, 0.3686, 0.3843
CMYK	0.70, 0.00, 0.02, 0.37
HSL	178°, 54%, 41%
HSV	178°, 70%, 63%
XYZ	20.0496, 28.5524, 36.3527
YIQ	126.7570, -66.0640, -25.2000

Conversions

Conversions Part 2

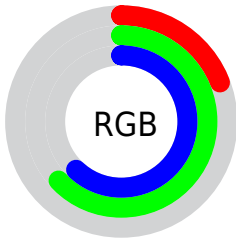
Format	Color
R_{YB}	48, 106, 161
Decimal	3187101
CIE _{Lab}	60.38, -31.60, -7.05
CIE _{LCh}	60, 32.380, 192.574
Yxy	28.5524, 0.2360, 0.3361
Android (android.graphics.Color)	4281377181 (0xFF30A19D)
YUV	126.7570, 14.9098, -69.0699
Hunter-Lab	53.4344, -26.5338, -2.9323

Details

The XYZ color **20.0496, 28.5524, 36.3527** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3757, 9.9398, 4.3053**, and the grayscale version is **20.0573, 21.1018, 22.9799**.

A 20% lighter version of the original color is **42.8693, 57.1944, 70.4082**, and **8.0702, 11.9779, 15.5223** is the 20% darker color. If you saturate the color by 10%, you get **19.3754, 28.2111, 36.0683**, and if you desaturate by 10%, it is **21.0013, 29.0380, 36.6526**.

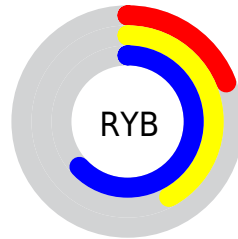
Distribution



Red (19%)

Green (63%)

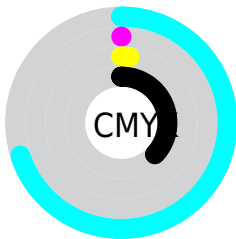
Blue (62%)



Red (19%)

Yellow (42%)

Blue (63%)

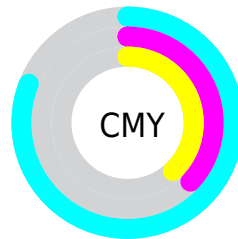


Cyan (70%)

Magenta (0%)

Yellow (2%)

Black (37%)



Cyan (81%)

Magenta (37%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0496, 28.5524, 36.3527 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 20.0496, 28.5524, 36.3527 by changing the saturation by 10% instead.

■ 20.0496, 28.5524,
36.3527

■ 20.0496, 28.5524,
36.3527

■ 245.0120,
295.0972, 345.5834

■ 12.5396, 18.7425,
24.4149

■ 43.0036, 57.3652,
70.7513

■ 7.1871, 11.4843,
15.4266

■ 59.1784, 77.1368,
94.0491

■ 3.6267, 6.3936,
8.9694

■ 78.9720, 100.9978,
121.9706

■ 1.4932, 3.0859,
4.6247

■ 102.7500,
129.3326, 154.9345

■ 0.3212, 1.1767,
1.9739

■ 130.8776,
162.5255, 193.3591

■ 0.0000, 0.0426,
0.5392

163.7202,

■ 0.0000, 0.0000,

200.9610, 237.6631

0.0000

201.6432,
245.0234, 288.2651

■ 20.0496, 28.5524,
36.3527

■ 20.0496, 28.5524,
36.3527

■ 19.3754, 28.2111,
36.0683

■ 21.0013, 29.0380,
36.6526

■ 18.9447, 27.9946,
35.7958

■ 22.2549, 29.6786,
36.9672

■ 18.6870, 27.8673,
35.5371

■ 23.8346, 30.4873,
37.2982

■ 25.7619, 31.4752,
37.6467

■ 28.0563, 32.6522,
38.0135

■ 30.7357, 34.0277,
38.3996

■ 33.8170, 35.6104,
38.8056

■ 37.3160, 37.4084,
39.2325

■ 41.2479, 39.4295,
39.6807

Harmonies

Analogous

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



20.1933, 28.5524, 24.7148



20.0496, 28.5524, 36.3527



21.6587, 28.5524, 49.3259

Triad

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



20.0496, 28.5524, 36.3527



32.9235, 28.5524, 51.2168



29.6073, 28.5524, 13.9413

Complementary

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



20.0496, 28.5524, 36.3527



16.3757, 9.9398, 4.3053

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.



33.4717, 28.5524, 18.0125



20.0496, 28.5524, 36.3527



35.5167, 28.5524, 38.4739

Square

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



20.0496, 28.5524, 36.3527



28.9189, 28.5524, 59.2697



35.7270, 28.5524, 26.3591



25.4322, 28.5524, 13.6490

Rectangle

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



20.0496, 28.5524, 36.3527



23.6148, 28.5524, 56.2070



35.7270, 28.5524, 26.3591



30.9957, 28.5524, 14.8539

Sweetspot

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



20.0505, 28.5535, 36.3534



49.7107, 58.2013, 67.9954



14.7819, 26.4788, 7.1289



10.6613, 12.6408, 14.8749



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.



20.0505, 28.5535, 36.3534



34.2321, 50.2870, 64.3273



13.2451, 14.3871, 35.7982



7.2652, 8.0069, 9.0084



14.9276, 22.2574, 28.3988



0.3168, 0.4689, 0.6131

Inverse Universe

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



16.3757, 9.9398, 4.3053



27.2569, 14.8341, 3.4054



19.6802, 16.6870, 4.9808



7.0835, 7.0898, 7.4259



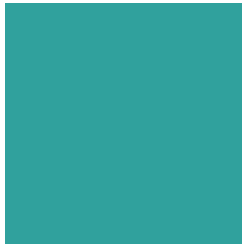
11.7670, 6.0629, 0.6979



0.2501, 0.1285, 0.0298

Previews

White Background



This preview shows how the XYZ color 20.0496, 28.5524, 36.3527 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 20.0496, 28.5524, 36.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

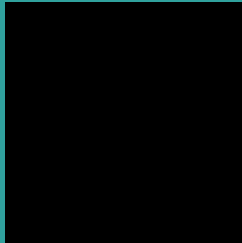
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0496, 28.5524, 36.3527

Background



This preview shows how black text looks on a background with the XYZ color 20.0496, 28.5524, 36.3527.

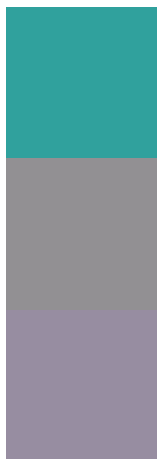


This preview shows how white text looks on a background with the XYZ color 20.0496, 28.5524,

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

20.0496, 28.5524, 36.3527

Protanopia

27.0938, 28.1641, 31.6120

Deuteranopia

28.7204, 28.2023, 37.6481



Tritanopia

21.4754, 28.6156, 43.4212

Trichromacy



Original Color

20.0496, 28.5524, 36.3527

Protanomaly

22.9227, 27.3621, 33.3514

Deuteranomaly

23.8745, 27.2953, 37.2679

Tritanomaly

21.0141, 28.6885, 40.9891

Monochromacy



Original Color

20.0496, 28.5524, 36.3527

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.8571, 22.8969, 27.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0496, 28.5524, 36.3527 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.0496, 28.5524, 36.3527 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, 157) }
```


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

```
.border{ border-color:rgb(48, 161, 157) }
```

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, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 157);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0496, 28.5524, 36.3527 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, 157) }
```

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

```
.background{ background-color: rgb(48, 161,  
157) }
```

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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