

Converting Colors

XYZ(16.5484, 27.5749, 22.5395)

Have a look what the booklet for
XYZ(16.5484, 27.5749, 22.5395)
contains.

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Color

**XYZ(16.5484, 27.5749,
22.5395)**

Conversions

Conversions Part 1

Format	Color
Hex	00A379
RGB	0, 163, 121
RGB Percent	0%, 64%, 47%
CMY	0.9999, 0.3608, 0.5255
CMYK	1.00, 0.00, 0.26, 0.36
HSL	165°, 100%, 32%
HSV	165°, 100%, 64%
XYZ	16.5484, 27.5749, 22.5395
YIQ	109.4750, -83.6660, -47.6180

Conversions

Conversions Part 2

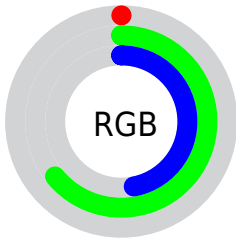
Format	Color
RYB	0, 94, 163
Decimal	41849
CIELab	59.50, -46.25, 11.87
CIELCh	60, 47.745, 165.609
Yxy	27.5749, 0.2482, 0.4136
Android (android.graphics.Color)	4278231929 (0xFF00A379)
YUV	109.4750, 5.6818, -96.0096
Hunter-Lab	52.5118, -35.6438, 11.3094

Details

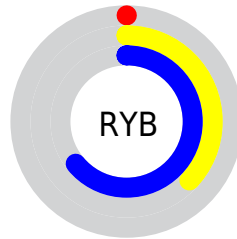
The XYZ color **16.5484, 27.5749, 22.5395** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.5232, 7.9544, 2.9091**, and the grayscale version is **14.6738, 15.4380, 16.8120**.

A 20% lighter version of the original color is **37.0908, 55.8538, 48.3611**, and **6.7456, 11.6197, 8.0182** is the 20% darker color. If you saturate the color by 10%, you get **16.5488, 27.5758, 22.5390**, and if you desaturate by 10%, it is **17.0314, 27.7942, 23.9370**.

Distribution



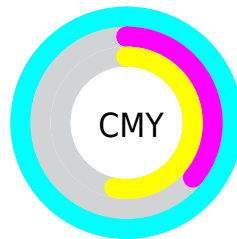
- Red (0%)
- Green (64%)
- Blue (47%)



- Red (0%)
- Yellow (37%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5484, 27.5749, 22.5395 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 16.5484, 27.5749, 22.5395 by changing the saturation by 10% instead.

■ 16.5484, 27.5749,
22.5395

■ 16.5484, 27.5749,
22.5395

225.7637,
290.4300, 278.3957

■ 10.0063, 18.0055,
14.0518

■ 37.0975, 55.8050,
48.5496

■ 5.4655, 10.9539,
8.0175

■ 51.8352, 75.2345,
66.9091

■ 2.5604, 6.0358,
4.0182

■ 70.0355, 98.7195,
89.3963

■ 0.9258, 2.8669,
1.6353

■ 92.0638, 126.6443,
116.4296

■ 0.0000, 1.0626,
0.3159

■ 118.2854,
159.3933, 148.4277

■ 0.0000, 0.0000,
0.0000

■ 149.0657,

197.3510, 185.8090

184.7700,
240.9018, 228.9922

■ 16.5484, 27.5749,
22.5395

■ 16.5484, 27.5749,
22.5395

■ 16.5488, 27.5758,
22.5390

■ 17.0314, 27.7942,
23.9370

■ 17.7019, 28.1081,
25.4019

■ 18.6356, 28.5564,
26.9391

■ 19.8651, 29.1558,
28.5509

■ 21.4181, 29.9207,
30.2392

■ 23.3190, 30.8635,
32.0058

■ 25.5899, 31.9956,
33.8524

■ 28.2508, 33.3275,
35.7807

■ 31.3206, 34.8687,
37.7922

Harmonies

Analogous

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



18.8002, 27.5749, 12.3365



16.5484, 27.5749, 22.5395



16.5952, 27.5749, 39.8196

Triad

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



16.5484, 27.5749, 22.5395



29.4371, 27.5749, 74.4047



35.1350, 27.5749, 12.0639

Complementary

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



16.5484, 27.5749, 22.5395



15.5232, 7.9544, 2.9091

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.



38.9626, 27.5749, 21.9836



16.5484, 27.5749, 22.5395



35.3463, 27.5749, 59.5712

Square

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



16.5484, 27.5749, 22.5395



23.4455, 27.5749, 74.7381



39.0454, 27.5749, 39.0061



29.1818, 27.5749, 8.0469

Rectangle

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



16.5484, 27.5749, 22.5395



17.9050, 27.5749, 53.6599



39.0454, 27.5749, 39.0061



36.7504, 27.5749, 14.6044

Sweetspot

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



16.5491, 27.5760, 22.5401



45.5798, 57.1757, 60.4342



14.1142, 26.7194, 4.4139



9.8555, 12.6510, 13.2719



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.5491, 27.5760, 22.5401



29.5512, 49.3502, 39.9153



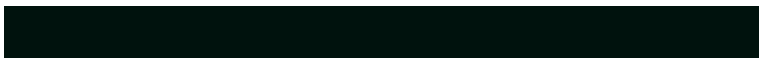
13.9413, 17.3047, 37.2570



7.1978, 7.9799, 8.6533



12.8801, 21.4384, 17.6171



0.2882, 0.4575, 0.4624

Inverse Universe

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



15.5232, 7.9544, 2.9091



27.7292, 14.2165, 4.8396



15.7994, 9.1759, 0.9388



7.1452, 7.1145, 7.7511



12.0800, 6.1880, 2.3457



0.2719, 0.1372, 0.1442

Previews

White Background



This preview shows how the XYZ color 16.5484, 27.5749, 22.5395 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 16.5484, 27.5749, 22.5395 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

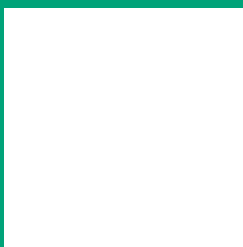
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5484, 27.5749, 22.5395

Background



This preview shows how black text looks on a background with the XYZ color 16.5484, 27.5749, 22.5395.



This preview shows how white text looks on a background with the XYZ color 16.5484, 27.5749,

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

16.5484, 27.5749, 22.5395

Protanopia

25.4911, 27.1691, 18.9396

Deuteranopia

27.6767, 27.1050, 23.8517



Tritanopia

20.6866, 27.7354, 41.7993

Trichromacy



Original Color

16.5484, 27.5749, 22.5395



Protanomaly

18.9306, 25.5919, 20.1616



Deuteranomaly

19.5741, 24.9220, 23.1808



Tritanomaly

18.7253, 27.4034, 34.0082

Monochromacy



Original Color

16.5484, 27.5749, 22.5395



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.2851, 18.1580, 18.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5484, 27.5749, 22.5395 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(0, 163, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 121)  
}
```

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(0, 163, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.5484, 27.5749, 22.5395 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(0, 163, 121) }
```


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

```
.border{ border-color:rgb(0, 163, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5484, 27.5749, 22.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 121) }
```

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

```
.background{ background-color: rgb(0, 163,  
121) }
```

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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