

Converting Colors

XYZ(16.5411, 25.4541, 22.8142)

Have a look what the booklet for
XYZ(16.5411, 25.4541, 22.8142)
contains.

XYZ(16.5631, 25.5257, 22.7929)	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(16.5631, 25.5257,
22.7929)**

Conversions

Conversions Part 1

Format	Color
Hex	319B7B
RGB	49, 155, 123
RGB Percent	19%, 61%, 48%
CMY	0.8078, 0.3921, 0.5176
CMYK	0.68, 0.00, 0.21, 0.39
HSL	162°, 52%, 40%
HSV	162°, 68%, 61%
XYZ	16.5631, 25.5257, 22.7929
YIQ	119.6580, -52.9040, -32.4240

Conversions

Conversions Part 2

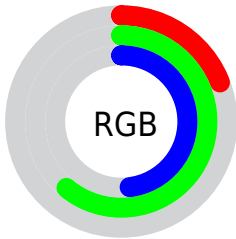
Format	Color
R_{YB}	49, 111, 155
Decimal	3251067
CIE _{Lab}	57.58, -37.89, 8.12
CIE _{LCh}	58, 38.754, 167.911
Yxy	25.5257, 0.2553, 0.3934
Android (android.graphics.Color)	4281441147 (0xFF319B7B)
YUV	119.6580, 1.6476, -61.9671
Hunter-Lab	50.5230, -29.8970, 8.6180

Details

The XYZ color **16.5631, 25.5257, 22.7929** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.1019, 9.7599, 8.8207**, and the grayscale version is **17.7511, 18.6755, 20.3377**.

A 20% lighter version of the original color is **37.0911, 52.4395, 48.7244**, and **6.0863, 10.1949, 8.1256** is the 20% darker color. If you saturate the color by 10%, you get **15.6544, 25.0909, 21.2580**, and if you desaturate by 10%, it is **17.7443, 26.1006, 24.4148**.

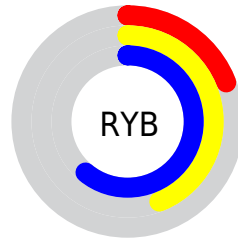
Distribution



Red (19%)

Green (61%)

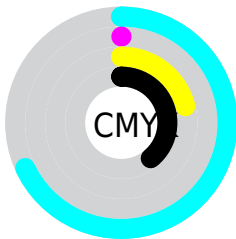
Blue (48%)



Red (19%)

Yellow (44%)

Blue (61%)

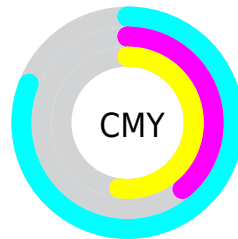


Cyan (68%)

Magenta (0%)

Yellow (21%)

Black (39%)



Cyan (81%)

Magenta (39%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5631, 25.5257, 22.7929 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 16.5631, 25.5257, 22.7929 by changing the saturation by 10% instead.

■ 16.5631, 25.5257,
22.7929

■ 16.5631, 25.5257,
22.7929

225.8476,
280.4459, 279.7469

■ 10.0169, 16.4692,
14.2368

■ 37.1227, 52.5088,
48.9719

■ 5.4725, 9.8567,
8.1449

■ 51.8667, 71.2041,
67.4319

■ 2.5646, 5.3041,
4.0987

■ 70.0740, 93.8812,
90.0303

■ 0.9280, 2.4268,
1.6797

■ 92.1100, 120.9243,
117.1856

■ 0.0000, 0.8396,
0.3467

■ 118.3400,
152.7180, 149.3164

■ 0.0000, 0.0000,
0.0000

149.1293,

189.6465, 186.8411

184.8434,
232.0944, 230.1785

■ 16.5631, 25.5257,
22.7929

■ 16.5631, 25.5257,
22.7929

■ 15.6544, 25.0909,
21.2580

■ 17.7443, 26.1006,
24.4148

■ 14.9882, 24.7790,
19.8059

■ 19.2199, 26.8250,
26.1241

■ 14.5114, 24.5630,
18.4338

■ 21.0119, 27.7108,
27.9232

■ 14.4396, 24.5307,
18.2191

■ 23.1393, 28.7679,
29.8141

■ 25.6200, 30.0054,
31.7985

■ 28.4703, 31.4317,
33.8780

■ 31.7055, 33.0547,
36.0544

■ 35.3401, 34.8818,
38.3290

■ 39.3878, 36.9201,
40.7036

Harmonies

Analogous

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



18.2422, 25.5257, 13.9782



16.5631, 25.5257, 22.7929



16.7450, 25.5257, 36.3846

Triad

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



16.5631, 25.5257, 22.7929



27.1004, 25.5257, 59.7546



30.7239, 25.5257, 12.8532

Complementary

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



16.5631, 25.5257, 22.7929



16.1019, 9.7599, 8.8207

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.



33.7455, 25.5257, 20.6733



16.5631, 25.5257, 22.7929



31.4775, 25.5257, 48.5988

Square

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



16.5631, 25.5257, 22.7929



22.4461, 25.5257, 60.8767



34.0376, 25.5257, 33.4759



26.1720, 25.5257, 9.5868

Rectangle

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



16.5631, 25.5257, 22.7929



17.8997, 25.5257, 46.5630



34.0376, 25.5257, 33.4759



31.9759, 25.5257, 14.8974

Sweetspot

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



16.5638, 25.5267, 22.7935



44.4691, 53.0294, 55.8531



15.8057, 25.4848, 6.9921



9.8057, 11.8734, 12.4357



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.5638, 25.5267, 22.7935



27.3615, 44.6164, 36.6952



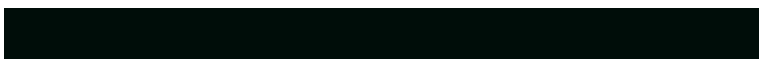
15.9270, 20.5070, 34.1303



6.3051, 6.9948, 7.5301



11.6149, 19.7094, 14.7248



0.1895, 0.3010, 0.3037

Inverse Universe

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



16.1019, 9.7599, 8.8207



26.5324, 14.4316, 10.2191



16.1661, 11.3778, 4.2502



6.2817, 6.2519, 6.8638



11.2815, 5.7668, 2.7412



0.1834, 0.0921, 0.1186

Previews

White Background



This preview shows how the XYZ color 16.5631, 25.5257, 22.7929 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 16.5631, 25.5257, 22.7929 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 16.5631, 25.5257, 22.7929

Background



This preview shows how black text looks on a background with the XYZ color 16.5631, 25.5257, 22.7929.



This preview shows how white text looks on a background with the XYZ color 16.5631, 25.5257,

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

16.5631, 25.5257, 22.7929

Protanopia

23.6600, 25.1260, 19.5224

Deuteranopia

25.6102, 25.2036, 23.9370



Tritanopia

19.6747, 25.5796, 38.0828

Trichromacy



Original Color

16.5631, 25.5257, 22.7929

Protanomaly

19.6146, 24.5459, 20.5337

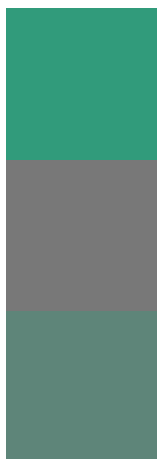
Deuteranomaly

20.4932, 24.2691, 23.3430

Tritanomaly

18.4370, 25.5552, 31.9779

Monochromacy



Original Color

16.5631, 25.5257, 22.7929

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.4548, 20.5352, 21.1856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5631, 25.5257, 22.7929 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(49, 155, 123)` looks like.

```
.text, #text, p{  
    color:rgb(49, 155, 123)  
}
```

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(49, 155, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 155, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.5631, 25.5257, 22.7929 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(49, 155, 123) }
```


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

```
.border{ border-color:rgb(49, 155, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 155, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 155, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 155, 123);  
box-shadow:4px 4px 4px 4px rgb(49, 155,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5631, 25.5257, 22.7929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 155, 123) }
```

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

```
.background{ background-color: rgb(49, 155,  
123) }
```

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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