

Converting Colors

XYZ(16.9241, 28.0751, 23.1399)

Have a look what the booklet for
XYZ(16.9241, 28.0751, 23.1399)
contains.

XYZ(16.9132, 28.0132, 23.2546)	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(16.9132, 28.0132,
23.2546)**

Conversions

Conversions Part 1

Format	Color
Hex	05A47B
RGB	5, 164, 123
RGB Percent	2%, 64%, 48%
CMY	0.9803, 0.3569, 0.5176
CMYK	0.97, 0.00, 0.25, 0.36
HSL	165°, 94%, 33%
HSV	165°, 97%, 64%
XYZ	16.9132, 28.0132, 23.2546
YIQ	111.7850, -81.6030, -46.4590

Conversions

Conversions Part 2

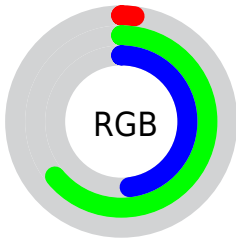
Format	Color
R_{YB}	5, 96, 164
Decimal	369787
CIE _{Lab}	59.90, -45.93, 11.31
CIE _{LCh}	60, 47.298, 166.160
Y _{xy}	28.0132, 0.2481, 0.4109
Android (android.graphics.Color)	4278559867 (0xFF05A47B)
YUV	111.7850, 5.5290, -93.6504
Hunter-Lab	52.9275, -35.5827, 10.9992

Details

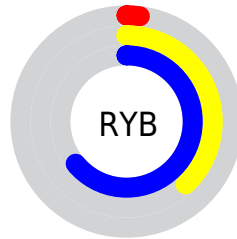
The XYZ color **16.9132, 28.0132, 23.2546** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.8583, 8.1991, 3.3334**, and the grayscale version is **15.3414, 16.1403, 17.5768**.

A 20% lighter version of the original color is **37.7441, 56.5451, 49.9993**, and **6.9205, 11.8633, 8.4037** is the 20% darker color. If you saturate the color by 10%, you get **16.7707, 27.9497, 22.8285**, and if you desaturate by 10%, it is **17.4399, 28.2542, 24.6921**.

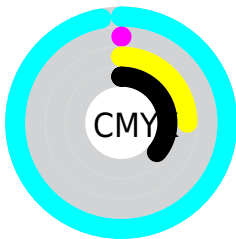
Distribution



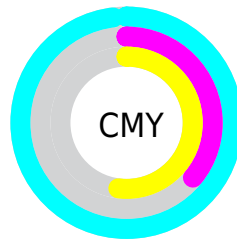
- Red (2%)
- Green (64%)
- Blue (48%)



- Red (2%)
- Yellow (38%)
- Blue (64%)



- Cyan (97%)
- Magenta (0%)
- Yellow (25%)
- Black (36%)



- Cyan (98%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9132, 28.0132, 23.2546 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 16.9132, 28.0132, 23.2546 by changing the saturation by 10% instead.

■ 16.9132, 28.0132,
23.2546

■ 16.9132, 28.0132,
23.2546

227.8377,
292.5300, 282.1942

■ 10.2675, 18.3356,
14.5745

■ 37.7213, 56.5055,
49.7395

■ 5.6403, 11.1912,
8.3781

■ 52.6144, 76.0890,
68.3815

■ 2.6662, 6.1956,
4.2466

■ 70.9874, 99.7433,
91.1812

■ 0.9798, 2.9644,
1.7616

■ 93.2056, 127.8527,
118.5571

■ 0.0000, 1.1132,
0.4024

■ 119.6343,
160.8017, 150.9278

■ 0.0000, 0.0000,
0.0000

■ 150.6391,

198.9747, 188.7119

186.5850,
242.7560, 232.3278

■ 16.9132, 28.0132,
23.2546

■ 16.9132, 28.0132,
23.2546

■ 16.7707, 27.9497,
22.8285

■ 17.4399, 28.2542,
24.6921

■ 18.1966, 28.6116,
26.2003

■ 19.2309, 29.1109,
27.7826

■ 20.5742, 29.7681,
29.4413

■ 22.2535, 30.5971,
31.1782

■ 24.2929, 31.6103,
32.9953

■ 26.7140, 32.8189,
34.8942

■ 29.5368, 34.2332,
36.8765

■ 32.7800, 35.8627,
38.9437

Harmonies

Analogous

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



19.1347, 28.0132, 12.8501



16.9132, 28.0132, 23.2546



17.0028, 28.0132, 40.6637

Triad

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



16.9132, 28.0132, 23.2546



29.9709, 28.0132, 74.5716



35.4522, 28.0132, 12.3252

Complementary

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



16.9132, 28.0132, 23.2546



15.8583, 8.1991, 3.3334

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.



39.3291, 28.0132, 22.1915



16.9132, 28.0132, 23.2546



35.8539, 28.0132, 59.6228

Square

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



16.9132, 28.0132, 23.2546



23.9577, 28.0132, 75.2025



39.4863, 28.0132, 39.1166



29.4847, 28.0132, 8.3402

Rectangle

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



16.9132, 28.0132, 23.2546



18.3480, 28.0132, 54.4738



39.4863, 28.0132, 39.1166



37.0800, 28.0132, 14.8529

Sweetspot

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



16.9140, 28.0143, 23.2553



47.2753, 58.9633, 62.4246



14.4948, 27.1770, 4.6258



9.9441, 12.6952, 13.3417



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.



16.9140, 28.0143, 23.2553



30.3517, 50.6962, 40.9682



14.3411, 17.8673, 37.8160



7.1977, 7.9799, 8.6530



12.8786, 21.4378, 17.6090



0.2881, 0.4575, 0.4623

Inverse Universe

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



15.8583, 8.1991, 3.3334



28.4853, 14.6044, 4.9623



16.1698, 9.5678, 1.1386



7.1453, 7.1146, 7.7514



12.0804, 6.1882, 2.3482



0.2719, 0.1372, 0.1444

Previews

White Background



This preview shows how the XYZ color 16.9132, 28.0132, 23.2546 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 16.9132, 28.0132, 23.2546 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 16.9132, 28.0132, 23.2546

Background



This preview shows how black text looks on a background with the XYZ color 16.9132, 28.0132, 23.2546.



This preview shows how white text looks on a background with the XYZ color 16.9132, 28.0132,

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

16.9132, 28.0132, 23.2546

Protanopia

25.9400, 27.6095, 19.5848

Deuteranopia

28.1552, 27.5485, 24.6023



Tritanopia

21.0457, 28.1509, 42.8525

Trichromacy



Original Color

16.9132, 28.0132, 23.2546



Protanomaly

19.4231, 26.0702, 20.8380



Deuteranomaly

20.2083, 25.4639, 23.9286



Tritanomaly

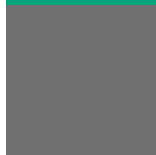
19.1311, 27.8498, 34.9391

Monochromacy



Original Color

16.9132, 28.0132, 23.2546



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.0163, 18.9100, 19.4343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9132, 28.0132, 23.2546 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(5, 164, 123)` looks like.

```
.text, #text, p{  
    color:rgb(5, 164, 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(5, 164, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 164, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.9132, 28.0132, 23.2546 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(5, 164, 123) }
```


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

```
.border{ border-color:rgb(5, 164, 123) }
```

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

Here you see how a box with a 4 pixel rgb(5, 164, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 164, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 164, 123);  
box-shadow:4px 4px 4px 4px rgb(5, 164,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9132, 28.0132, 23.2546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 164, 123) }
```

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

```
.background{ background-color: rgb(5, 164,  
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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