

Converting Colors

XYZ(16.8457, 23.2652, 24.0248)

Have a look what the booklet for
XYZ(16.8457, 23.2652, 24.0248)
contains.

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Color

**XYZ(16.8457, 23.2652,
24.0248)**

Conversions

Conversions Part 1

Format	Color
Hex	4A9180
RGB	74, 145, 128
RGB Percent	29%, 57%, 50%
CMY	0.7098, 0.4314, 0.4980
CMYK	0.49, 0.00, 0.12, 0.43
HSL	166°, 32%, 43%
HSV	166°, 49%, 57%
XYZ	16.8457, 23.2652, 24.0248
YIQ	121.8330, -36.8590, -20.3390

Conversions

Conversions Part 2

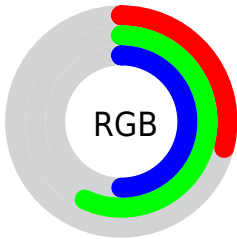
Format	Color
RYB	74, 114, 145
Decimal	4886912
CIELab	55.34, -26.66, 2.15
CIElCh	55, 26.748, 175.383
Yxy	23.2652, 0.2627, 0.3627
Android (android.graphics.Color)	4283076992 (0xFF4A9180)
YUV	121.8330, 3.0403, -41.9495
Hunter-Lab	48.2340, -22.0685, 4.2322

Details

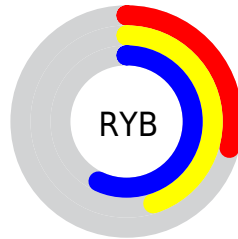
The XYZ color **16.8457, 23.2652, 24.0248** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0149, 11.6732, 11.3074**, and the grayscale version is **18.4437, 19.4043, 21.1312**.

A 20% lighter version of the original color is **37.5163, 48.6951, 51.1378**, and **5.6110, 8.6715, 8.7752** is the 20% darker color. If you saturate the color by 10%, you get **15.6310, 22.6655, 22.7956**, and if you desaturate by 10%, it is **18.3269, 24.0025, 25.3083**.

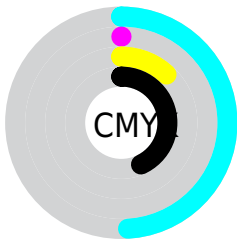
Distribution



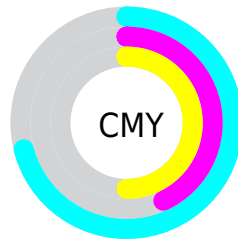
- Red (29%)
- Green (57%)
- Blue (50%)



- Red (29%)
- Yellow (45%)
- Blue (57%)



- Cyan (49%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (71%)
- Magenta (43%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8457, 23.2652, 24.0248 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 16.8457, 23.2652, 24.0248 by changing the saturation by 10% instead.

■ 16.8457, 23.2652,
24.0248

■ 16.8457, 23.2652,
24.0248

227.4552,
269.0842, 286.2364

■ 10.2192, 14.7895,
15.1396

■ 37.6060, 48.8284,
51.0150

■ 5.6079, 8.6718,
8.7697

■ 52.4705, 66.6847,
69.9571

■ 2.6465, 4.5277,
4.4965

■ 70.8116, 88.4366,
93.0887

■ 0.9697, 1.9729,
1.9015

■ 92.9948, 114.4685,
120.8282

■ 0.0000, 0.5917,
0.4937

■ 119.3855,
145.1648, 153.5942

■ 0.0000, 0.0000,
0.0000

150.3488,

180.9099, 191.8052

186.2503,
222.0883, 235.8797

■ 16.8457, 23.2652,
24.0248

■ 16.8457, 23.2652,
24.0248

■ 15.6310, 22.6655,
22.7956

■ 18.3269, 24.0025,
25.3083

■ 14.6627, 22.1914,
21.6179

■ 20.0890, 24.8831,
26.6457

■ 13.9214, 21.8334,
20.4909

■ 22.1474, 25.9156,
28.0385

■ 13.3832, 21.5793,
19.4129

■ 24.5162, 27.1071,
29.4879

■ 12.9941, 21.4011,
18.3812

■ 27.2084, 28.4644,
30.9948

■ 12.9556, 21.3836,
18.2767

■ 30.2361, 29.9937,
32.5602

■ 33.6110, 31.7011,
34.1850

■ 37.3441, 33.5922,
35.8701

■ 41.4460, 35.6723,
37.6162

Harmonies

Analogous

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



17.6961, 23.2652, 17.0560



16.8457, 23.2652, 24.0248



17.2987, 23.2652, 33.0965

Triad

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



16.8457, 23.2652, 24.0248



24.6797, 23.2652, 43.3869



25.5554, 23.2652, 14.0207

Complementary

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



16.8457, 23.2652, 24.0248



16.0149, 11.6732, 11.3074

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.



27.7464, 23.2652, 18.8878



16.8457, 23.2652, 24.0248



27.2095, 23.2652, 35.9270

Square

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



16.8457, 23.2652, 24.0248



21.6517, 23.2652, 45.6315



28.3773, 23.2652, 26.6855



22.5806, 23.2652, 12.1725

Rectangle

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



16.8457, 23.2652, 24.0248



18.3027, 23.2652, 39.0094



28.3773, 23.2652, 26.6855



26.4182, 23.2652, 15.2957

Sweetspot

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



16.8464, 23.2661, 24.0253



41.1449, 47.1548, 51.1470



15.7508, 23.0087, 10.0898



8.9817, 10.4039, 11.2710



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.8464, 23.2661, 24.0253



27.7486, 40.4694, 40.5501



15.5573, 18.7444, 29.5873



5.5058, 6.0945, 6.6294



11.1224, 18.3448, 15.7307



0.1149, 0.1788, 0.1955

Inverse Universe

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



16.0149, 11.6732, 11.3074



26.0916, 17.1398, 15.0369



16.7193, 14.1258, 8.3242



5.4585, 5.4439, 5.9127



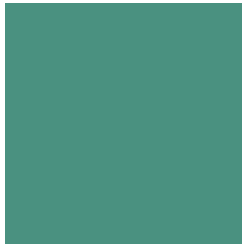
10.2815, 5.2696, 1.8677



0.1058, 0.0534, 0.0573

Previews

White Background



This preview shows how the XYZ color 16.8457, 23.2652, 24.0248 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 16.8457, 23.2652, 24.0248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

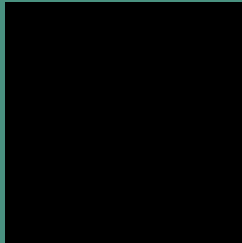
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8457, 23.2652, 24.0248

Background



This preview shows how black text looks on a background with the XYZ color 16.8457, 23.2652, 24.0248.

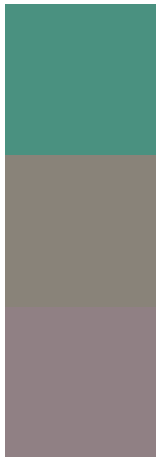


This preview shows how white text looks on a background with the XYZ color 16.8457, 23.2652,

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

16.8457, 23.2652, 24.0248

Protanopia

21.8840, 22.9314, 21.3620

Deuteranopia

23.3856, 23.0336, 25.0432



Tritanopia

18.6680, 23.0990, 33.6116

Trichromacy



Original Color

16.8457, 23.2652, 24.0248

Protanomaly

19.3817, 22.6410, 22.4174

Deuteranomaly

20.2296, 22.6108, 24.7708

Tritanomaly

17.8489, 22.9793, 29.8803

Monochromacy



Original Color

16.8457, 23.2652, 24.0248

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.4464, 20.4238, 22.0914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8457, 23.2652, 24.0248 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(74, 145, 128)` looks like.

```
.text, #text, p{  
  color:rgb(74, 145, 128)  
}
```

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(74, 145, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 145, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.8457, 23.2652, 24.0248 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(74, 145, 128) }
```


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

```
.border{ border-color:rgb(74, 145, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 145, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 145, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 145, 128);  
box-shadow:4px 4px 4px 4px rgb(74, 145,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8457, 23.2652, 24.0248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 145, 128) }
```

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

```
.background{ background-color: rgb(74, 145,  
128) }
```

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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