

Converting Colors

XYZ(16.5351, 23.8876, 25.7536)

Have a look what the booklet for
XYZ(16.5351, 23.8876, 25.7536)
contains.

XYZ(16.6684, 24.0582, 25.9555)	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(16.6684, 24.0582,
25.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	399585
RGB	57, 149, 133
RGB Percent	22%, 58%, 52%
CMY	0.7765, 0.4157, 0.4784
CMYK	0.62, 0.00, 0.11, 0.42
HSL	170°, 45%, 40%
HSV	170°, 62%, 58%
XYZ	16.6684, 24.0582, 25.9555
YIQ	119.6680, -49.6960, -24.4800

Conversions

Conversions Part 2

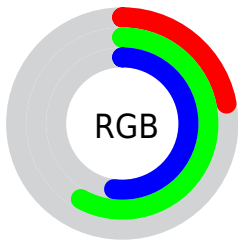
Format	Color
R_{YB}	57, 107, 149
Decimal	3773829
CIE _{Lab}	56.15, -31.10, 0.38
CIE _{LCh}	56, 31.107, 179.299
Yxy	24.0582, 0.2500, 0.3608
Android (android.graphics.Color)	4281963909 (0xFF399585)
YUV	119.6680, 6.5727, -54.9598
Hunter-Lab	49.0492, -25.1763, 2.9597

Details

The XYZ color **16.6684, 24.0582, 25.9555** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0609, 9.7975, 7.4014**, and the grayscale version is **17.7383, 18.6621, 20.3230**.

A 20% lighter version of the original color is **37.3952, 50.3083, 54.1939**, and **5.9679, 9.3755, 9.8826** is the 20% darker color. If you saturate the color by 10%, you get **15.7637, 23.6128, 24.9904**, and if you desaturate by 10%, it is **17.8282, 24.6357, 26.9566**.

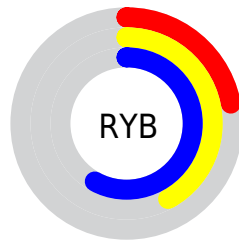
Distribution



Red (22%)

Green (58%)

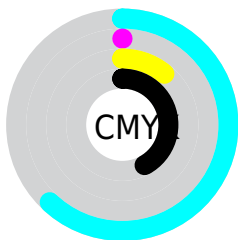
Blue (52%)



Red (22%)

Yellow (42%)

Blue (58%)

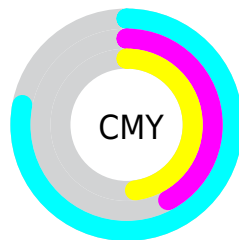


Cyan (62%)

Magenta (0%)

Yellow (11%)

Black (42%)



Cyan (78%)

Magenta (42%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6684, 24.0582, 25.9555 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 16.6684, 24.0582, 25.9555 by changing the saturation by 10% instead.

■ 16.6684, 24.0582,
25.9555

■ 16.6684, 24.0582,
25.9555

226.4478,
273.1146, 296.1621

■ 10.0922, 15.3768,
16.5649

■ 37.3029, 50.1252,
54.1864

■ 5.5229, 9.0843,
9.7661

■ 52.0919, 68.2795,
73.8637

■ 2.5951, 4.7962,
5.1406

■ 70.3492, 90.3603,
97.8070

■ 0.9434, 2.1282,
2.2698

■ 92.4402, 116.7519,
126.4348

■ 0.0000, 0.6804,
0.7142

■ 118.7302,
147.8387, 160.1657

■ 0.0000, 0.0000,
0.0000

149.5846,

184.0052, 199.4181

185.3687,
225.6357, 244.6108

■ 16.6684, 24.0582,
25.9555

■ 16.6684, 24.0582,
25.9555

■ 15.7637, 23.6128,
24.9904

■ 17.8282, 24.6357,
26.9566

■ 15.0895, 23.2852,
24.0585

■ 19.2608, 25.3528,
27.9932

■ 14.6199, 23.0625,
23.1589

■ 20.9849, 26.2196,
29.0669

■ 14.3284, 22.9279,
22.4377

■ 23.0167, 27.2446,
30.1784

■ 25.3714, 28.4354,
31.3288

■ 28.0630, 29.7994,
32.5188

■ 31.1048, 31.3435,
33.7493

■ 34.5093, 33.0740,
35.0208

■ 38.2886, 34.9971,
36.3343

Harmonies

Analogous

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



17.4592, 24.0582, 17.3880



16.6684, 24.0582, 25.9555



17.3891, 24.0582, 37.0376

Triad

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



16.6684, 24.0582, 25.9555



26.3918, 24.0582, 47.3435



26.5521, 24.0582, 12.6702

Complementary

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



16.6684, 24.0582, 25.9555



15.0609, 9.7975, 7.4014

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.



29.3882, 24.0582, 17.7069



16.6684, 24.0582, 25.9555



29.2890, 24.0582, 37.5649

Square

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



16.6684, 24.0582, 25.9555



22.7827, 24.0582, 51.1701



30.4375, 24.0582, 26.4366



22.9507, 24.0582, 11.0485

Rectangle

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



16.6684, 24.0582, 25.9555



18.6772, 24.0582, 44.0976



30.4375, 24.0582, 26.4366



27.6398, 24.0582, 13.9424

Sweetspot

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



16.6691, 24.0591, 25.9561



42.1597, 49.2653, 54.5232



14.3005, 23.2418, 7.6037



9.1138, 10.8019, 11.9661



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6691, 24.0591, 25.9561



27.7299, 42.0418, 44.1189



13.8133, 16.4415, 30.8803



5.9213, 6.5451, 7.1963



12.0685, 19.3002, 18.9343



0.1569, 0.2399, 0.2800

Inverse Universe

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



15.0609, 9.7975, 7.4014



24.6355, 14.2700, 8.1722



16.4722, 13.3626, 5.5824



5.8395, 5.8309, 6.2612



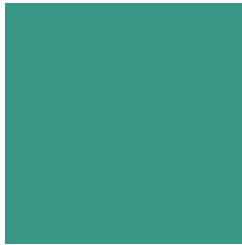
10.5960, 5.4435, 1.3536



0.1374, 0.0697, 0.0572

Previews

White Background



This preview shows how the XYZ color 16.6684, 24.0582, 25.9555 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 16.6684, 24.0582, 25.9555 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 16.6684, 24.0582, 25.9555

Background



This preview shows how black text looks on a background with the XYZ color 16.6684, 24.0582, 25.9555.

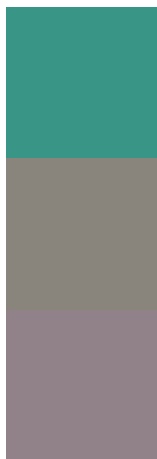


This preview shows how white text looks on a background with the XYZ color 16.6684, 24.0582,

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

16.6684, 24.0582, 25.9555

Protanopia

22.5069, 23.6336, 22.4443

Deuteranopia

24.1750, 23.7911, 26.9849



Tritanopia

18.5259, 23.8784, 35.5309

Trichromacy



Original Color

16.6684, 24.0582, 25.9555

Protanomaly

19.3701, 23.2488, 23.5452

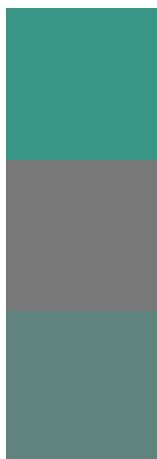
Deuteranomaly

20.1996, 23.1796, 26.7020

Tritanomaly

17.6741, 23.7526, 31.6702

Monochromacy



Original Color

16.6684, 24.0582, 25.9555

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.7477, 20.2547, 22.4289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6684, 24.0582, 25.9555 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(57, 149, 133)` looks like.

```
.text, #text, p{  
    color:rgb(57, 149, 133)  
}
```

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(57, 149, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 149, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.6684, 24.0582, 25.9555 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(57, 149, 133) }
```


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

```
.border{ border-color:rgb(57, 149, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 149, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 149, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 149, 133);  
box-shadow:4px 4px 4px 4px rgb(57, 149,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6684, 24.0582, 25.9555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 149, 133) }
```

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

```
.background{ background-color: rgb(57, 149,  
133) }
```

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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