

Converting Colors

XYZ(18.3935, 24.2994, 24.5860)

Have a look what the booklet for
XYZ(18.3935, 24.2994, 24.5860)
contains.

XYZ(18.3612, 24.2666, 24.4851)	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(18.3612, 24.2666,
24.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	599281
RGB	89, 146, 129
RGB Percent	35%, 57%, 51%
CMY	0.6510, 0.4274, 0.4941
CMYK	0.39, 0.00, 0.12, 0.43
HSL	162°, 24%, 46%
HSV	162°, 39%, 57%
XYZ	18.3612, 24.2666, 24.4851
YIQ	127.0190, -28.5150, -17.3710

Conversions

Conversions Part 2

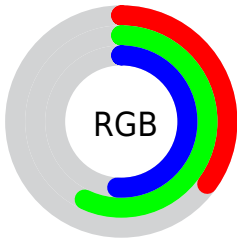
Format	Color
RYB	89, 122, 146
Decimal	5870209
CIELab	56.35, -22.83, 3.13
CIELCh	56, 23.043, 172.203
Yxy	24.2666, 0.2736, 0.3616
Android (android.graphics.Color)	4284060289 (0xFF599281)
YUV	127.0190, 0.9766, -33.3427
Hunter-Lab	49.2611, -19.6743, 5.0129

Details

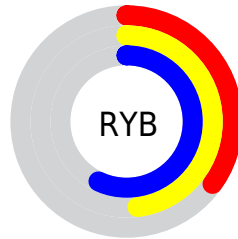
The XYZ color **18.3612, 24.2666, 24.4851** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0288, 14.2971, 15.4461**, and the grayscale version is **20.1837, 21.2348, 23.1247**.

A 20% lighter version of the original color is **40.0823, 50.3487, 51.8617**, and **6.3395, 9.1757, 9.0264** is the 20% darker color. If you saturate the color by 10%, you get **16.8135, 23.5021, 22.9340**, and if you desaturate by 10%, it is **20.2005, 25.1812, 26.1153**.

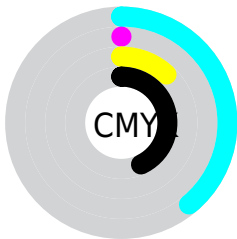
Distribution



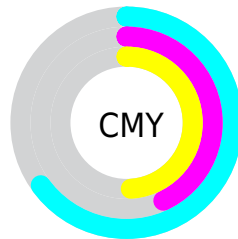
- Red (35%)
- Green (57%)
- Blue (51%)



- Red (35%)
- Yellow (48%)
- Blue (57%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (65%)
- Magenta (43%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3612, 24.2666, 24.4851 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 18.3612, 24.2666, 24.4851 by changing the saturation by 10% instead.

■ 18.3612, 24.2666,
24.4851

■ 18.3612, 24.2666,
24.4851

235.9055,
274.1656, 288.6290

■ 11.3109, 15.5315,
15.4783

■ 40.1771, 50.4649,
51.7744

■ 6.3452, 9.1933,
9.0054

■ 55.6734, 68.6969,
70.8940

■ 3.0987, 4.8674,
4.6479

■ 74.7158, 90.8633,
94.2216

■ 1.2062, 2.1697,
1.9871

■ 97.6695, 117.3486,
122.1758

■ 0.1112, 0.7034,
0.5473

124.9000,
148.5370, 155.1751

■ 0.0000, 0.0000,
0.0000

156.7726,

184.8131, 193.6380

193.6527,
226.5611, 237.9832

■ 18.3612, 24.2666,
24.4851

■ 18.3612, 24.2666,
24.4851

■ 16.8135, 23.5021,
22.9340

■ 20.2005, 25.1812,
26.1153

■ 15.5387, 22.8763,
21.4588

■ 22.3446, 26.2510,
27.8244

■ 14.5191, 22.3806,
20.0584

■ 24.8085, 27.4841,
29.6145

■ 13.7338, 22.0043,
18.7309

■ 27.6055, 28.8874,
31.4868

■ 13.1588, 21.7351,
17.4744

■ 30.7480, 30.4674,
33.4428

■ 12.7386, 21.5444,
16.2855

■ 34.2480, 32.2302,
35.4837

■ 12.7002, 21.5270,
16.1747

■ 38.1167, 34.1815,
37.6107

■ 42.3650, 36.3270,
39.8251

■ 47.0032, 38.6719,
42.1280

Harmonies

Analogous

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



19.2561, 24.2666, 18.4262



18.3612, 24.2666, 24.4851



18.6477, 24.2666, 32.3503

Triad

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



18.3612, 24.2666, 24.4851



25.0510, 24.2666, 42.4289



26.3420, 24.2666, 16.4591

Complementary

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



18.3612, 24.2666, 24.4851



18.0288, 14.2971, 15.4461

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.



28.1293, 24.2666, 21.2665



18.3612, 24.2666, 24.4851



27.3449, 24.2666, 36.4499

Square

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



18.3612, 24.2666, 24.4851



22.3780, 24.2666, 43.7453



28.5097, 24.2666, 28.4589



23.7653, 24.2666, 14.4086

Rectangle

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



18.3612, 24.2666, 24.4851



19.4810, 24.2666, 37.5288



28.5097, 24.2666, 28.4589



27.0629, 24.2666, 17.7565

Sweetspot

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



18.3619, 24.2676, 24.4857



42.3087, 47.7545, 51.2143



18.0386, 24.3504, 13.2011



9.3023, 10.5686, 11.3143



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.



18.3619, 24.2676, 24.4857



29.9334, 41.5936, 40.7483



17.9172, 21.4166, 30.3847



5.8912, 6.5331, 7.0378



11.1859, 18.9471, 14.2862



0.1499, 0.2371, 0.2434

Inverse Universe

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



18.0288, 14.2971, 15.4461



29.2661, 21.4153, 22.4872



18.2537, 16.0243, 11.5826



5.8678, 5.8422, 6.4097



10.8332, 5.5383, 2.6024



0.1443, 0.0725, 0.0937

Previews

White Background



This preview shows how the XYZ color 18.3612, 24.2666, 24.4851 looks on a white background.

Color Contrast Check

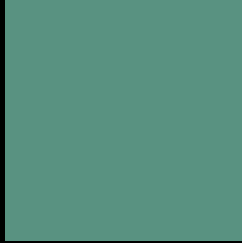
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3612, 24.2666, 24.4851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

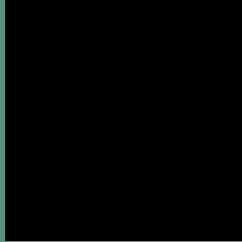
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3612, 24.2666, 24.4851

Background



This preview shows how black text looks on a background with the XYZ color 18.3612, 24.2666, 24.4851.



This preview shows how white text looks on a background with the XYZ color 18.3612, 24.2666,

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

18.3612, 24.2666, 24.4851

Protanopia

22.9155, 24.0557, 22.1743

Deuteranopia

24.3602, 23.9271, 25.1643



Tritanopia

20.2251, 24.1120, 34.1600

Trichromacy



Original Color

18.3612, 24.2666, 24.4851

Protanomaly

20.6753, 23.7226, 22.8912

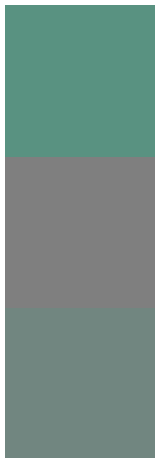
Deuteranomaly

21.6533, 23.7590, 24.9174

Tritanomaly

19.4475, 24.0164, 30.3987

Monochromacy



Original Color

18.3612, 24.2666, 24.4851

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2314, 22.1194, 23.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3612, 24.2666, 24.4851 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(89, 146, 129)` looks like.

```
.text, #text, p{  
    color:rgb(89, 146, 129)  
}
```

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(89, 146, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 146, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.3612, 24.2666, 24.4851 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(89, 146, 129) }
```


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

```
.border{ border-color:rgb(89, 146, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 146, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 146, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 146, 129);  
box-shadow:4px 4px 4px 4px rgb(89, 146,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3612, 24.2666, 24.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 146, 129) }
```

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

```
.background{ background-color: rgb(89, 146,  
129) }
```

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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