

Converting Colors

XYZ(18.0996, 24.4847, 12.8072)

Have a look what the booklet for
XYZ(18.0996, 24.4847, 12.8072)
contains.

XYZ(18.0626, 24.3717, 12.7690)	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(18.0626, 24.3717,
12.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9257
RGB	107, 146, 87
RGB Percent	42%, 57%, 34%
CMY	0.5804, 0.4274, 0.6588
CMYK	0.27, 0.00, 0.40, 0.43
HSL	100°, 25%, 46%
HSV	100°, 40%, 57%
XYZ	18.0626, 24.3717, 12.7690
YIQ	127.6130, -4.3050, -26.6170

Conversions

Conversions Part 2

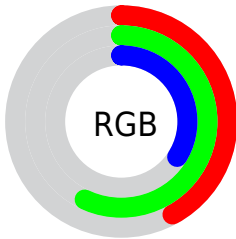
Format	Color
RYB	87, 146, 126
Decimal	7049815
CIELab	56.46, -24.85, 27.03
CIElCh	56, 36.722, 132.597
Yxy	24.3717, 0.3272, 0.4415
Android (android.graphics.Color)	4285239895 (0xFF6B9257)
YUV	127.6130, -20.0222, -18.0776
Hunter-Lab	49.3677, -21.0841, 19.2220

Details

The XYZ color **18.0626, 24.3717, 12.7690** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.2017, 13.3280, 28.8614**, and the grayscale version is **20.4525, 21.5176, 23.4327**.

A 20% lighter version of the original color is **39.7389, 50.6171, 31.7204**, and **6.1626, 9.2075, 3.4599** is the 20% darker color. If you saturate the color by 10%, you get **16.4293, 23.5925, 9.8876**, and if you desaturate by 10%, it is **19.9474, 25.2680, 16.2930**.

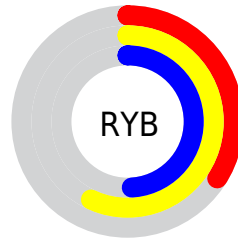
Distribution



Red (42%)

Green (57%)

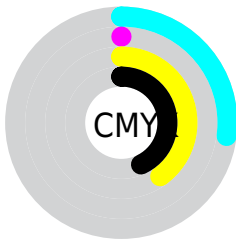
Blue (34%)



Red (34%)

Yellow (57%)

Blue (49%)

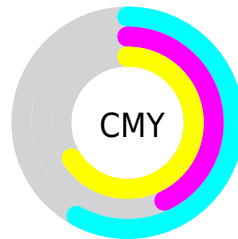


Cyan (27%)

Magenta (0%)

Yellow (40%)

Black (43%)



Cyan (58%)

Magenta (43%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0626, 24.3717, 12.7690 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 18.0626, 24.3717, 12.7690 by changing the saturation by 10% instead.

■ 18.0626, 24.3717,
12.7690

■ 18.0626, 24.3717,
12.7690

234.2624,
274.6943, 220.5875

■ 11.0949, 15.6096,
7.1408

■ 39.6732, 50.6361,
31.5732

■ 6.1985, 9.2483,
3.4705

■ 55.0468, 68.9071,
45.5864

■ 3.0079, 4.9035,
1.3396

■ 73.9531, 91.1166,
63.2316

■ 1.1580, 2.1908,
0.0939

■ 96.7575, 117.6489,
84.9274

■ 0.0728, 0.7149,
0.0000

■ 123.8252,
148.8885, 111.0923

■ 0.0000, 0.0000,
0.0000

155.5217,

185.2196, 142.1450

192.2123,
227.0268, 178.5038

■ 18.0626, 24.3717,
12.7690

■ 18.0626, 24.3717,
12.7690

■ 16.4293, 23.5925,
9.8876

■ 19.9474, 25.2680,
16.2930

■ 15.0340, 22.9222,
7.6085

■ 22.0925, 26.2832,
20.4935

■ 13.8648, 22.3563,
5.8893


■ 24.5088, 27.4226,
25.4040


■ 12.9078, 21.8887,
4.6813


■ 27.2055, 28.6905,
31.0552


■ 12.1471, 21.5125,
3.9276


■ 30.1919, 30.0911,
37.4760

 11.5697, 21.2240,
3.4868

 33.4765, 31.6280,
44.6940

 37.0676, 33.3050,
52.7350

 40.9730, 35.1256,
61.6241

 45.2005, 37.0932,
71.3849

Harmonies

Analogous

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



21.4279, 24.3717, 9.6239



18.0626, 24.3717, 12.7690



16.2097, 24.3717, 20.1349

Triad

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



18.0626, 24.3717, 12.7690



20.8056, 24.3717, 55.7154



32.0889, 24.3717, 21.7532

Complementary

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



18.0626, 24.3717, 12.7690



17.2017, 13.3280, 28.8614

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.



31.8690, 24.3717, 34.1690



18.0626, 24.3717, 12.7690



24.9927, 24.3717, 56.5523

Square

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



18.0626, 24.3717, 12.7690



17.6552, 24.3717, 45.7355



29.1468, 24.3717, 47.7592



29.7151, 24.3717, 13.6401

Rectangle

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



18.0626, 24.3717, 12.7690



15.9232, 24.3717, 27.6111



29.1468, 24.3717, 47.7592



32.3234, 24.3717, 25.4904

Sweetspot

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



18.0632, 24.3728, 12.7695



42.4170, 47.9893, 43.1306



20.9533, 21.5561, 12.0735



9.3271, 10.6244, 9.3714



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.



18.0632, 24.3728, 12.7695



29.3703, 41.8039, 18.1070



16.3145, 23.4269, 14.6926



5.9039, 6.5583, 6.1952



10.2028, 18.6876, 3.0693



0.1540, 0.2437, 0.0389

Inverse Universe

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



17.2017, 13.3280, 28.8614



27.6324, 19.6887, 50.3175



19.7893, 14.7385, 25.5263



5.8463, 5.8118, 7.2834



8.8827, 4.0518, 24.2449



0.1403, 0.0659, 0.2982

Previews

White Background



This preview shows how the XYZ color 18.0626, 24.3717, 12.7690 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 18.0626, 24.3717, 12.7690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

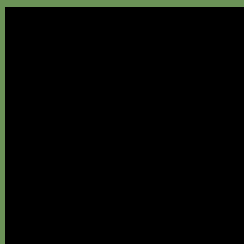
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.0626, 24.3717, 12.7690

Background



This preview shows how black text looks on a background with the XYZ color 18.0626, 24.3717, 12.7690.



This preview shows how white text looks on a background with the XYZ color 18.0626, 24.3717,

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

18.0626, 24.3717, 12.7690

Protanopia

22.2579, 24.1555, 11.6730

Deuteranopia

24.6389, 24.1372, 13.2579



Tritanopia

22.0738, 24.4492, 32.4099

Trichromacy



Original Color

18.0626, 24.3717, 12.7690

Protanomaly

20.3486, 24.0109, 11.9496

Deuteranomaly

21.6648, 23.8169, 13.1281

Tritanomaly

20.3138, 24.3890, 23.7156

Monochromacy



Original Color

18.0626, 24.3717, 12.7690

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3903, 22.5133, 18.9463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0626, 24.3717, 12.7690 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(107, 146, 87)` looks like.

```
.text, #text, p{  
    color:rgb(107, 146, 87)  
}
```

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(107, 146, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 146, 87) }
```

Border

The CSS property to change the border of an element to XYZ 18.0626, 24.3717, 12.7690 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(107, 146, 87) }
```


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

```
.border{ border-color:rgb(107, 146, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 146, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 146, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 146, 87);  
box-shadow:4px 4px 4px 4px rgb(107, 146,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0626, 24.3717, 12.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 146, 87) }
```

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

```
.background{ background-color: rgb(107,  
146, 87) }
```

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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