

Converting Colors

XYZ(19.3879, 25.4447, 12.7956)

Have a look what the booklet for
XYZ(19.3879, 25.4447, 12.7956)
contains.

XYZ(19.4721, 25.5647, 12.7123)	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(19.4721, 25.5647,
12.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	749456
RGB	116, 148, 86
RGB Percent	45%, 58%, 34%
CMY	0.5451, 0.4196, 0.6627
CMYK	0.22, 0.00, 0.42, 0.42
HSL	91°, 26%, 46%
HSV	91°, 42%, 58%
XYZ	19.4721, 25.5647, 12.7123
YIQ	131.3640, 0.8300, -26.0660

Conversions

Conversions Part 2

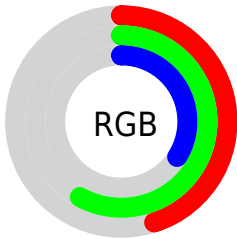
Format	Color
R_{YB}	86, 148, 118
Decimal	7640150
CIE Lab	57.62, -22.58, 29.18
CIE LCh	58, 36.898, 127.729
Yxy	25.5647, 0.3372, 0.4427
Android (android.graphics.Color)	4285830230 (0xFF749456)
YUV	131.3640, -22.3645, -13.4742
Hunter-Lab	50.5615, -19.7394, 20.4863

Details

The XYZ color **19.4721, 25.5647, 12.7123** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1454, 12.6460, 29.6083**, and the grayscale version is **21.7816, 22.9159, 24.9554**.

A 20% lighter version of the original color is **41.9981, 52.4822, 31.5835**, and **6.8877, 9.8541, 3.4585** is the 20% darker color. If you saturate the color by 10%, you get **17.9626, 24.8492, 9.8448**, and if you desaturate by 10%, it is **21.1899, 26.3749, 16.2352**.

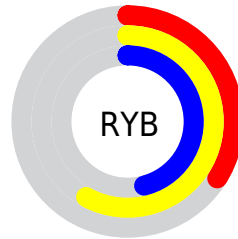
Distribution



Red (45%)

Green (58%)

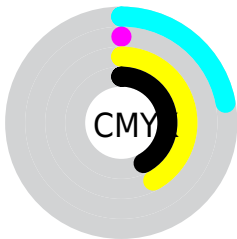
Blue (34%)



Red (34%)

Yellow (58%)

Blue (46%)

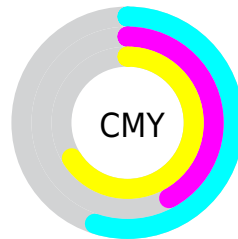


Cyan (22%)

Magenta (0%)

Yellow (42%)

Black (42%)



Cyan (55%)

Magenta (42%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4721, 25.5647, 12.7123 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 19.4721, 25.5647, 12.7123 by changing the saturation by 10% instead.

■ 19.4721, 25.5647,
12.7123

■ 19.4721, 25.5647,
12.7123

241.9312,
280.6386, 220.2082

■ 12.1179, 16.4983,
7.1023

■ 42.0411, 52.5719,
31.4695

■ 6.8968, 9.8774,
3.4468

■ 57.9866, 71.2814,
45.4539

■ 3.4434, 5.3178,
1.3270

■ 77.5265, 93.9741,
63.0667

■ 1.3924, 2.4349,
0.0838

■ 101.0264,
121.0343, 84.7267

■ 0.2508, 0.8438,
0.0000

■ 128.8514,
152.8465, 110.8523

■ 0.0000, 0.0000,
0.0000

161.3670,

189.7950, 141.8620

198.9384,
232.2642, 178.1745

■ 19.4721, 25.5647,
12.7123

■ 19.4721, 25.5647,
12.7123

■ 17.9626, 24.8492,
9.8448

■ 21.1899, 26.3749,
16.2352

■ 16.6498, 24.2210,
7.5906

■ 23.1231, 27.2802,
20.4489

■ 15.5238, 23.6766,
5.9051


■ 25.2807, 28.2854,
25.3883


■ 14.5726, 23.2112,
4.7370


■ 27.6705, 29.3937,
31.0854


■ 13.7826, 22.8188,
4.0259


■ 30.2999, 30.6085,
37.5704

 13.2339, 22.5436,
3.6539

 33.1762, 31.9326,
44.8715

 36.3060, 33.3691,
53.0160

 39.6959, 34.9206,
62.0296

 43.3521, 36.5900,
71.9370

Harmonies

Analogous

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



23.1763, 25.5647, 10.0450



19.4721, 25.5647, 12.7123



17.2685, 25.5647, 19.6121

Triad

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



19.4721, 25.5647, 12.7123



21.2257, 25.5647, 56.8840



33.7023, 25.5647, 24.6970

Complementary

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



19.4721, 25.5647, 12.7123



16.1454, 12.6460, 29.6083

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.



33.0164, 25.5647, 38.0862



19.4721, 25.5647, 12.7123



25.4563, 25.5647, 59.4837

Square

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



19.4721, 25.5647, 12.7123



18.1923, 25.5647, 45.4888



29.8629, 25.5647, 51.7871



31.6377, 25.5647, 15.4670

Rectangle

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



19.4721, 25.5647, 12.7123



16.7751, 25.5647, 26.8847



29.8629, 25.5647, 51.7871



33.7899, 25.5647, 28.8087

Sweetspot

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



19.4727, 25.5658, 12.7129



44.0598, 49.6525, 43.5247



20.2547, 19.6913, 11.5377



9.8755, 11.2497, 9.5136



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.



19.4727, 25.5658, 12.7129



31.9162, 43.9496, 17.7770



16.1081, 23.8313, 12.5554



5.9806, 6.5979, 6.1988



11.3346, 19.2710, 3.1223



0.1725, 0.2533, 0.0398

Inverse Universe

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



16.1454, 12.6460, 29.6083



25.2543, 18.0883, 51.5949



20.8868, 15.0903, 29.8302



5.7679, 5.7713, 7.2797



7.1698, 3.1688, 24.1648



0.1218, 0.0563, 0.2974

Previews

White Background



This preview shows how the XYZ color 19.4721, 25.5647, 12.7123 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 19.4721, 25.5647, 12.7123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

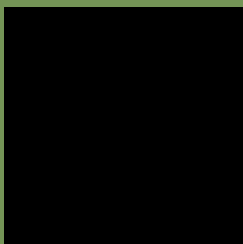
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4721, 25.5647, 12.7123

Background



This preview shows how black text looks on a background with the XYZ color 19.4721, 25.5647, 12.7123.



This preview shows how white text looks on a background with the XYZ color 19.4721, 25.5647,

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

19.4721, 25.5647, 12.7123

Protanopia

23.3740, 25.3655, 11.6467

Deuteranopia

25.8226, 25.3477, 13.2045



Tritanopia

23.5682, 25.4262, 32.9437

Trichromacy



Original Color

19.4721, 25.5647, 12.7123

Protanomaly

21.7156, 25.3738, 11.9367

Deuteranomaly

23.1044, 25.1941, 13.0964

Tritanomaly

21.6793, 25.3148, 23.8223

Monochromacy



Original Color

19.4721, 25.5647, 12.7123

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.6444, 23.5647, 19.6800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4721, 25.5647, 12.7123 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(116, 148, 86)` looks like.

```
.text, #text, p{  
    color:rgb(116, 148, 86)  
}
```

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(116, 148, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 148, 86) }
```

Border

The CSS property to change the border of an element to XYZ 19.4721, 25.5647, 12.7123 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(116, 148, 86) }
```


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

```
.border{ border-color:rgb(116, 148, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 148, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 148, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 148, 86);  
box-shadow:4px 4px 4px 4px rgb(116, 148,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4721, 25.5647, 12.7123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 148, 86) }
```

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

```
.background{ background-color: rgb(116,  
148, 86) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor