

Converting Colors

XYZ(18.3162, 24.4946, 7.8341)

Have a look what the booklet for
XYZ(18.3162, 24.4946, 7.8341)
contains.

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Color

**XYZ(18.2509, 24.3485,
7.8755)**

Conversions

Conversions Part 1

Format	Color
Hex	75913B
RGB	117, 145, 59
RGB Percent	46%, 57%, 23%
CMY	0.5412, 0.4314, 0.7686
CMYK	0.19, 0.00, 0.59, 0.43
HSL	80°, 42%, 40%
HSV	80°, 59%, 57%
XYZ	18.2509, 24.3485, 7.8755
YIQ	126.8240, 10.9180, -32.6820

Conversions

Conversions Part 2

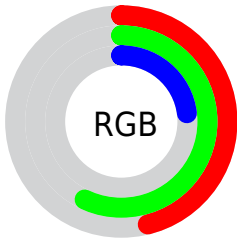
Format	Color
RYB	59, 145, 87
Decimal	7704891
CIELab	56.44, -23.76, 41.56
CIELCh	56, 47.871, 119.758
Yxy	24.3485, 0.3616, 0.4824
Android (android.graphics.Color)	4285894971 (0xFF75913B)
YUV	126.8240, -33.4372, -8.6156
Hunter-Lab	49.3442, -20.3307, 25.0781

Details

The XYZ color **18.2509, 24.3485, 7.8755** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.6064, 7.1992, 27.6201**, and the grayscale version is **20.2214, 21.2745, 23.1679**.

A 20% lighter version of the original color is **39.9783, 50.6089, 22.1294**, and **6.2769, 9.1746, 1.5836** is the 20% darker color. If you saturate the color by 10%, you get **17.3076, 23.9006, 6.1337**, and if you desaturate by 10%, it is **19.3319, 24.8569, 10.1701**.

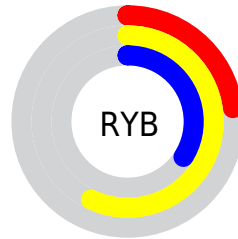
Distribution



Red (46%)

Green (57%)

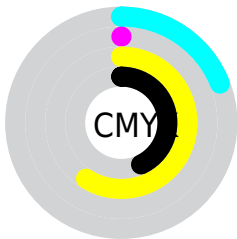
Blue (23%)



Red (23%)

Yellow (57%)

Blue (34%)

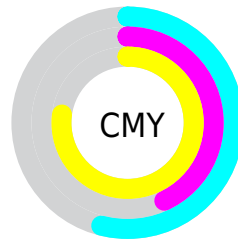


Cyan (19%)

Magenta (0%)

Yellow (59%)

Black (43%)



Cyan (54%)

Magenta (43%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2509, 24.3485, 7.8755 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 18.2509, 24.3485, 7.8755 by changing the saturation by 10% instead.

■ 18.2509, 24.3485,
7.8755

■ 18.2509, 24.3485,
7.8755

235.2998,
274.5777, 184.6502

■ 11.2310, 15.5923,
3.9288

■ 39.9911, 50.5983,
22.2561

■ 6.2909, 9.2361,
1.5863

■ 55.4422, 68.8607,
33.5271

■ 3.0651, 4.8955,
0.2810

■ 74.4344, 91.0607,
48.0766

■ 1.1883, 2.1861,
0.0000

■ 97.3331, 117.5827,
66.3231

■ 0.0971, 0.7124,
0.0000

■ 124.5036,
148.8109, 88.6852

■ 0.0000, 0.0000,
0.0000

■ 156.3114,

185.1299, 115.5813

193.1216,
226.9240, 147.4302

■ 18.2509, 24.3485,
7.8755

■ 18.2509, 24.3485,
7.8755

■ 17.3076, 23.9006,
6.1337

■ 19.3319, 24.8569,
10.1701

■ 16.4908, 23.5060,
4.8964

■ 20.5572, 25.4259,
13.0575

■ 15.7903, 23.1616,
4.1093

■ 21.9349, 26.0597,
16.5757

■ 15.1806, 22.8571,
3.6405

■ 23.4720, 26.7611,
20.7592

■ 15.1399, 22.8367,
3.6100

■ 25.1749, 27.5327,
25.6399

■ 27.0499, 28.3771,
31.2478

■ 29.1026, 29.2966,
37.6109

■ 31.3384, 30.2934,
44.7558

■ 33.7627, 31.3697,
52.7080

Harmonies

Analogous

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



23.1874, 24.3485, 6.2179



18.2509, 24.3485, 7.8755



15.1107, 24.3485, 13.9305

Triad

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



18.2509, 24.3485, 7.8755



18.1846, 24.3485, 62.5326



35.5028, 24.3485, 26.6402

Complementary

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



18.2509, 24.3485, 7.8755



10.6064, 7.1992, 27.6201

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.



33.6106, 24.3485, 45.0206



18.2509, 24.3485, 7.8755



23.0976, 24.3485, 70.1756

Square

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



18.2509, 24.3485, 7.8755



15.0769, 24.3485, 44.7043



28.8383, 24.3485, 62.7608



33.6682, 24.3485, 14.0761

Rectangle

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



18.2509, 24.3485, 7.8755



14.1683, 24.3485, 21.4520



28.8383, 24.3485, 62.7608



35.2778, 24.3485, 32.3096

Sweetspot

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



18.2515, 24.3496, 7.8760



42.3047, 48.0463, 37.9375



15.8139, 13.0293, 5.8194



9.2421, 10.6115, 7.9680



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.



18.2515, 24.3496, 7.8760



30.5061, 42.5658, 10.1879



13.7991, 22.0543, 7.6677



5.6712, 6.1986, 5.7869



13.0133, 19.6012, 3.0975



0.1476, 0.1994, 0.0307

Inverse Universe

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



10.6064, 7.1992, 27.6201



15.5807, 8.9834, 48.8863



15.7645, 9.8583, 27.8615



5.2847, 5.3349, 6.7800



5.4228, 2.2892, 23.1331



0.0731, 0.0328, 0.2222

Previews

White Background



This preview shows how the XYZ color 18.2509, 24.3485, 7.8755 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 18.2509, 24.3485, 7.8755 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 18.2509, 24.3485, 7.8755

Background



This preview shows how black text looks on a background with the XYZ color 18.2509, 24.3485, 7.8755.



This preview shows how white text looks on a background with the XYZ color 18.2509, 24.3485,

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

18.2509, 24.3485, 7.8755

Protanopia

21.9555, 24.0975, 7.2355

Deuteranopia

24.7120, 24.2862, 8.2357



Tritanopia

22.9727, 24.3041, 31.0841

Trichromacy



Original Color

18.2509, 24.3485, 7.8755

Protanomaly

20.4524, 24.1639, 7.4570

Deuteranomaly

21.9279, 24.0653, 8.0468

Tritanomaly

20.6393, 23.9881, 19.7620

Monochromacy



Original Color

18.2509, 24.3485, 7.8755

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.0917, 22.2205, 15.8531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2509, 24.3485, 7.8755 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(117, 145, 59)` looks like.

```
.text, #text, p{  
    color:rgb(117, 145, 59)  
}
```

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(117, 145, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 145, 59) }
```

Border

The CSS property to change the border of an element to XYZ 18.2509, 24.3485, 7.8755 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(117, 145, 59) }
```


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

```
.border{ border-color:rgb(117, 145, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 145, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 145, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 145, 59);  
box-shadow:4px 4px 4px 4px rgb(117, 145,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2509, 24.3485, 7.8755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 145, 59) }
```

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

```
.background{ background-color: rgb(117,  
145, 59) }
```

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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