

Converting Colors

XYZ(18.5733, 24.5339, 18.4651)

Have a look what the booklet for
XYZ(18.5733, 24.5339, 18.4651)
contains.

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Color

**XYZ(18.5728, 24.5083,
18.5035)**

Conversions

Conversions Part 1

Format	Color
Hex	66926E
RGB	102, 146, 110
RGB Percent	40%, 57%, 43%
CMY	0.6000, 0.4274, 0.5686
CMYK	0.30, 0.00, 0.25, 0.43
HSL	131°, 18%, 49%
HSV	131°, 30%, 57%
XYZ	18.5728, 24.5083, 18.5035
YIQ	128.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

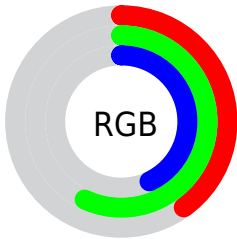
Format	Color
R_{YB}	102, 139, 146
Decimal	6722158
CIE _{Lab}	56.59, -22.76, 14.38
CIE _{LCh}	57, 26.919, 147.709
Yxy	24.5083, 0.3016, 0.3980
Android (android.graphics.Color)	4284912238 (0xFF66926E)
YUV	128.7400, -9.2388, -23.4510
Hunter-Lab	49.5059, -19.6685, 12.4936

Details

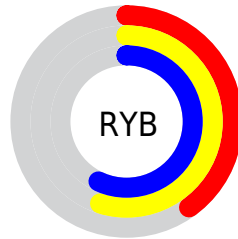
The XYZ color **18.5728, 24.5083, 18.5035** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.1937, 17.4492, 26.2967**, and the grayscale version is **20.8107, 21.8945, 23.8431**.

A 20% lighter version of the original color is **40.5023, 50.7872, 41.8506**, and **6.4299, 9.2891, 6.0115** is the 20% darker color. If you saturate the color by 10%, you get **16.4545, 23.4871, 15.2353**, and if you desaturate by 10%, it is **21.0715, 25.7168, 22.2484**.

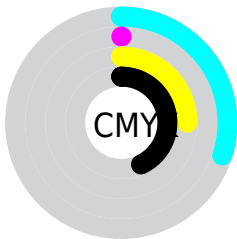
Distribution



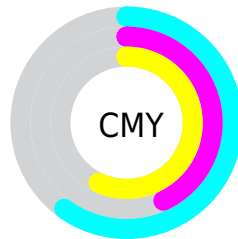
- Red (40%)
- Green (57%)
- Blue (43%)



- Red (40%)
- Yellow (55%)
- Blue (57%)



- Cyan (30%)
- Magenta (0%)
- Yellow (25%)
- Black (43%)



- Cyan (60%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5728, 24.5083, 18.5035 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 18.5728, 24.5083, 18.5035 by changing the saturation by 10% instead.

■ 18.5728, 24.5083,
18.5035

■ 18.5728, 24.5083,
18.5035

237.0638,
275.3803, 256.0246

■ 11.4642, 15.7111,
11.1389

■ 40.5335, 50.8584,
41.7189

■ 6.4495, 9.3200,
6.0450

■ 56.1162, 69.1801,
58.4068

■ 3.1635, 4.9505,
2.8032

■ 75.2543, 91.4454,
79.0395

■ 1.2408, 2.2182,
0.9951

■ 98.3133, 118.0388,
104.0356

■ 0.1382, 0.7299,
0.0000

125.6583,
149.3446, 133.8136

■ 0.0000, 0.0000,
0.0000

157.6548,

185.7471, 168.7921

194.6682,
227.6309, 209.3896

■ 18.5728, 24.5083,
18.5035

■ 18.5728, 24.5083,
18.5035

■ 16.4545, 23.4871,
15.2353

■ 21.0715, 25.7168,
22.2484

■ 14.6960, 22.6410,
12.4229

■ 23.9662, 27.1183,
26.4862

■ 13.2775, 21.9609,
10.0467


■ 27.2739, 28.7218,
31.2346


■ 12.1764, 21.4355,
8.0846


■ 31.0100, 30.5349,
36.5097


■ 11.3676, 21.0525,
6.5130


■ 35.1892, 32.5650,
42.3272


 10.8219, 20.7973,
5.3054

 39.8253, 34.8187,
48.7018

 10.4720, 20.6357,
4.4408

 44.9319, 37.3028,
55.6479

 50.5215, 40.0234,
63.1793

 56.6066, 42.9867,
71.3092

Harmonies

Analogous

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



20.6093, 24.5083, 14.1602



18.5728, 24.5083, 18.5035



17.7888, 24.5083, 26.0029

Triad

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



18.5728, 24.5083, 18.5035



23.0549, 24.5083, 47.8518



29.0327, 24.5083, 19.4533

Complementary

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



18.5728, 24.5083, 18.5035



21.1937, 17.4492, 26.2967

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.



29.8328, 24.5083, 27.3796



18.5728, 24.5083, 18.5035



26.2032, 24.5083, 45.0156

Square

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



18.5728, 24.5083, 18.5035



20.2280, 24.5083, 44.0472



28.7552, 24.5083, 36.9810



26.6560, 24.5083, 14.6161

Rectangle

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



18.5728, 24.5083, 18.5035



18.0238, 24.5083, 32.2729



28.7552, 24.5083, 36.9810



29.5037, 24.5083, 21.7831

Sweetspot

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



18.5734, 24.5093, 18.5040



42.8030, 48.0924, 47.4838



23.2700, 26.9786, 16.5515



9.3615, 10.6209, 10.3309



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.



18.5734, 24.5093, 18.5040



30.2277, 42.0112, 28.7494



19.8784, 25.0313, 25.3760



5.7701, 6.4846, 6.4003



9.2214, 18.1613, 3.9413



0.1209, 0.2255, 0.0904

Inverse Universe

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



21.1937, 17.4492, 26.2967



35.5921, 27.5473, 44.6966



19.7974, 16.8907, 18.9443



5.9905, 5.8913, 7.0564



13.3934, 6.5624, 16.0843



0.1734, 0.0841, 0.2467

Previews

White Background



This preview shows how the XYZ color 18.5728, 24.5083, 18.5035 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 18.5728, 24.5083, 18.5035 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 18.5728, 24.5083, 18.5035

Background



This preview shows how black text looks on a background with the XYZ color 18.5728, 24.5083, 18.5035.



This preview shows how white text looks on a background with the XYZ color 18.5728, 24.5083,

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

18.5728, 24.5083, 18.5035

Protanopia

22.7154, 24.2772, 16.8533

Deuteranopia

24.6736, 24.2254, 18.9983



Tritanopia

21.4760, 24.3382, 33.2716

Trichromacy



Original Color

18.5728, 24.5083, 18.5035

Protanomaly

20.9397, 24.1939, 17.4762

Deuteranomaly

21.8821, 24.0124, 18.8108

Tritanomaly

20.2518, 24.2779, 27.2856

Monochromacy



Original Color

18.5728, 24.5083, 18.5035

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.7846, 22.6550, 21.7425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5728, 24.5083, 18.5035 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(102, 146, 110)` looks like.

```
.text, #text, p{  
    color:rgb(102, 146, 110)  
}
```

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(102, 146, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 146, 110) }
```

Border

The CSS property to change the border of an element to XYZ 18.5728, 24.5083, 18.5035 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(102, 146, 110) }
```


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

```
.border{ border-color:rgb(102, 146, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 146, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 146, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 146, 110);  
box-shadow:4px 4px 4px 4px rgb(102, 146,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5728, 24.5083, 18.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 146, 110) }
```

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

```
.background{ background-color: rgb(102,  
146, 110) }
```

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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