

Converting Colors

XYZ(18.5601, 23.7140, 12.9584)

Have a look what the booklet for
XYZ(18.5601, 23.7140, 12.9584)
contains.

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Color

**XYZ(18.5464, 23.7121,
13.0506)**

Conversions

Conversions Part 1

Format	Color
Hex	738E59
RGB	115, 142, 89
RGB Percent	45%, 56%, 35%
CMY	0.5490, 0.4431, 0.6510
CMYK	0.19, 0.00, 0.37, 0.44
HSL	91°, 23%, 45%
HSV	91°, 37%, 56%
XYZ	18.5464, 23.7121, 13.0506
YIQ	127.8850, 0.9210, -22.2070

Conversions

Conversions Part 2

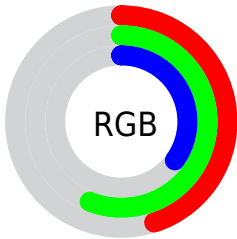
Format	Color
R_{YB}	89, 142, 116
Decimal	7573081
CIE _{Lab}	55.80, -19.47, 25.18
CIE _{LCh}	56, 31.828, 127.708
Yxy	23.7121, 0.3353, 0.4287
Android (android.graphics.Color)	4285763161 (0xFF738E59)
YUV	127.8850, -19.1703, -11.3001
Hunter-Lab	48.6951, -17.2314, 18.1964

Details

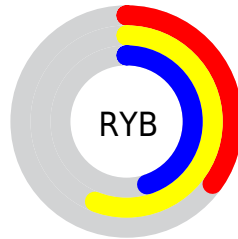
The XYZ color **18.5464, 23.7121, 13.0506** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.6583, 12.8114, 27.2401**, and the grayscale version is **20.5426, 21.6124, 23.5359**.

A 20% lighter version of the original color is **40.6220, 49.6981, 32.2626**, and **6.4918, 8.9797, 3.5816** is the 20% darker color. If you saturate the color by 10%, you get **17.0926, 23.0257, 10.1645**, and if you desaturate by 10%, it is **20.1912, 24.4851, 16.5471**.

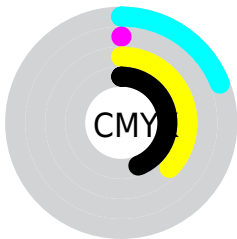
Distribution



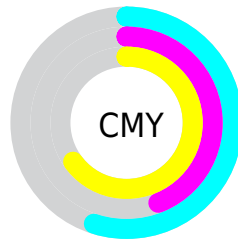
- Red (45%)
- Green (56%)
- Blue (35%)



- Red (35%)
- Yellow (56%)
- Blue (45%)



- Cyan (19%)
- Magenta (0%)
- Yellow (37%)
- Black (44%)



- Cyan (55%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5464, 23.7121, 13.0506 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 18.5464, 23.7121, 13.0506 by changing the saturation by 10% instead.

■ 18.5464, 23.7121,
13.0506

■ 18.5464, 23.7121,
13.0506

236.9195,
271.3617, 222.4609

■ 11.4450, 15.1202,
7.3323

■ 40.4890, 49.5600,
32.0872

■ 6.4365, 8.9038,
3.5892

■ 56.0610, 67.5847,
46.2425

■ 3.1554, 4.6785,
1.4028

■ 75.1872, 89.5226,
64.0472

■ 1.2365, 2.0599,
0.1439

■ 98.2331, 115.7579,
85.9199

■ 0.1349, 0.6419,
0.0000

■ 125.5639,
146.6751, 112.2791

■ 0.0000, 0.0000,
0.0000

157.5450,

182.6585, 143.5433

194.5417,
224.0926, 180.1310

■ 18.5464, 23.7121,
13.0506

■ 18.5464, 23.7121,
13.0506

■ 17.0926, 23.0257,
10.1645

■ 20.1912, 24.4851,
16.5471

■ 15.8195, 22.4193,
7.8523

■ 22.0329, 25.3448,
20.6847

■ 14.7188, 21.8901,
6.0758

■ 24.0793, 26.2955,
25.4939

■ 13.7803, 21.4337,
4.7916

■ 26.3374, 27.3400,
31.0028

■ 12.9927, 21.0455,
3.9497

■ 28.8137, 28.4811,
37.2380

■ 12.3365, 20.7174,
3.4578

■ 31.5144, 29.7215,
44.2244

■ 12.1745, 20.6363,
3.3415

■ 34.4454, 31.0638,
51.9860

■ 37.6125, 32.5103,
60.5457

■ 41.0211, 34.0634,
69.9253

Harmonies

Analogous

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



21.6178, 23.7121, 10.6847



18.5464, 23.7121, 13.0506



16.6965, 23.7121, 18.9771

Triad

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



18.5464, 23.7121, 13.0506



20.0015, 23.7121, 48.9763



30.1547, 23.7121, 23.2383

Complementary

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



18.5464, 23.7121, 13.0506



15.6583, 12.8114, 27.2401

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.



29.6033, 23.7121, 34.1333



18.5464, 23.7121, 13.0506



23.4833, 23.7121, 51.0088

Square

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



18.5464, 23.7121, 13.0506



17.4718, 23.7121, 40.0152



27.0640, 23.7121, 44.9960



28.4987, 23.7121, 15.4528

Rectangle

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



18.5464, 23.7121, 13.0506



16.2790, 23.7121, 25.0303



27.0640, 23.7121, 44.9960



30.2243, 23.7121, 26.6230

Sweetspot

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



18.5470, 23.7131, 13.0511



41.0070, 45.6936, 41.4989



19.1473, 18.8487, 12.0805



9.0649, 10.1621, 9.0472



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5470, 23.7131, 13.0511



30.4764, 40.7615, 18.5683



15.5967, 22.1922, 12.9130



5.5789, 6.1511, 5.7826



10.9516, 18.5383, 3.0011



0.1300, 0.1903, 0.0299

Inverse Universe

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



15.6583, 12.8114, 27.2401



24.6019, 18.5936, 47.4201



19.6111, 14.8492, 27.4250



5.3751, 5.3815, 6.7842



6.8278, 3.0134, 23.1989



0.0907, 0.0419, 0.2230

Previews

White Background



This preview shows how the XYZ color 18.5464, 23.7121, 13.0506 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 18.5464, 23.7121, 13.0506 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 18.5464, 23.7121, 13.0506

Background



This preview shows how black text looks on a background with the XYZ color 18.5464, 23.7121, 13.0506.



This preview shows how white text looks on a background with the XYZ color 18.5464, 23.7121,

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

18.5464, 23.7121, 13.0506

Protanopia

21.7443, 23.4667, 12.1876

Deuteranopia

23.9490, 23.5820, 13.4147



Tritanopia

22.0207, 23.6142, 30.5915

Trichromacy



Original Color

18.5464, 23.7121, 13.0506

Protanomaly

20.3560, 23.3648, 12.4538

Deuteranomaly

21.6035, 23.3700, 13.2698

Tritanomaly

20.5359, 23.6507, 22.8847

Monochromacy



Original Color

18.5464, 23.7121, 13.0506

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.5932, 22.2009, 19.1721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5464, 23.7121, 13.0506 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(115, 142, 89)` looks like.

```
.text, #text, p{  
    color:rgb(115, 142, 89)  
}
```

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(115, 142, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 142, 89) }
```

Border

The CSS property to change the border of an element to XYZ 18.5464, 23.7121, 13.0506 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(115, 142, 89) }
```


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

```
.border{ border-color:rgb(115, 142, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 142, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 142, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 142, 89);  
box-shadow:4px 4px 4px 4px rgb(115, 142,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5464, 23.7121, 13.0506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 142, 89) }
```

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

```
.background{ background-color: rgb(115,  
142, 89) }
```

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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