

Converting Colors

XYZ(13.0301, 16.0947, 18.2097)

Have a look what the booklet for
XYZ(13.0301, 16.0947, 18.2097)
contains.

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Color

**XYZ(13.1138, 16.2024,
18.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	527772
RGB	82, 119, 114
RGB Percent	32%, 47%, 45%
CMY	0.6784, 0.5333, 0.5529
CMYK	0.31, 0.00, 0.04, 0.53
HSL	172°, 18%, 39%
HSV	172°, 31%, 47%
XYZ	13.1138, 16.2024, 18.3558
YIQ	107.3670, -20.4470, -9.3990

Conversions

Conversions Part 2

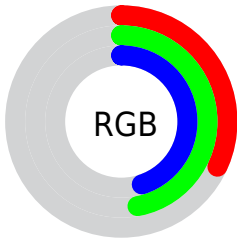
Format	Color
R _{YB}	82, 102, 119
Decimal	5404530
CIE _{Lab}	47.24, -14.22, -1.45
CIE _{LCh}	47, 14.291, 185.831
Y _{xy}	16.2024, 0.2751, 0.3399
Android (android.graphics.Color)	4283594610 (0xFF527772)
Y _{UV}	107.3670, 3.2701, -22.2469
Hunter-Lab	40.2522, -12.2877, 1.1391

Details

The XYZ color **13.1138, 16.2024, 18.3558** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3460, 10.6452, 10.4216**, and the grayscale version is **14.0727, 14.8056, 16.1233**.

A 20% lighter version of the original color is **31.1187, 36.8655, 41.5520**, and **3.8332, 5.1137, 5.9393** is the 20% darker color. If you saturate the color by 10%, you get **12.0768, 15.6787, 17.8338**, and if you desaturate by 10%, it is **14.3329, 16.8206, 18.8954**.

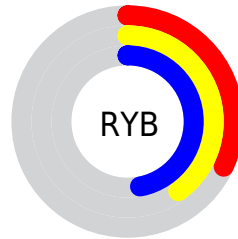
Distribution



Red (32%)

Green (47%)

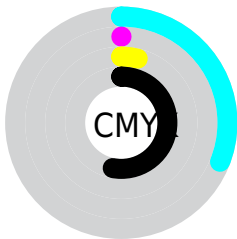
Blue (45%)



Red (32%)

Yellow (40%)

Blue (47%)

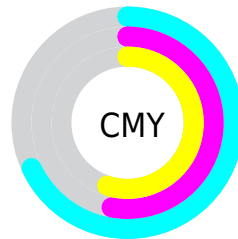


Cyan (31%)

Magenta (0%)

Yellow (4%)

Black (53%)



Cyan (68%)

Magenta (53%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1138, 16.2024, 18.3558 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 13.1138, 16.2024, 18.3558 by changing the saturation by 10% instead.

■ 13.1138, 16.2024,
18.3558

■ 13.1138, 16.2024,
18.3558

■ 205.2686,
230.5331, 255.1721

■ 7.5845, 9.6675,
11.0337

■ 31.1077, 36.9492,
41.4648

■ 3.8798, 5.1791,
5.9750

■ 44.3029, 51.9299,
58.0887

■ 1.6344, 2.3527,
2.7614

■ 60.7842, 70.4947,
78.6502

■ 0.4146, 0.8014,
0.9741

■ 80.9169, 93.0279,
103.5680

■ 0.0000, 0.0000,
0.0000

■ 105.0663,
119.9139, 133.2606

133.5978,

151.5372, 168.1464

166.8768,
188.2821, 208.6440

■ 13.1138, 16.2024,
18.3558

■ 13.1138, 16.2024,
18.3558

■ 12.0768, 15.6787,
17.8338

■ 14.3329, 16.8206,
18.8954

■ 11.2111, 15.2427,
17.3278

■ 15.7412, 17.5358,
19.4520

■ 10.5072, 14.8900,
16.8378

■ 17.3474, 18.3527,
20.0263

■ 9.9538, 14.6146,
16.3630

■ 19.1589, 19.2753,
20.6188

■ 9.5385, 14.4103,
15.9030

■ 21.1829, 20.3074,
21.2298

■ 9.2464, 14.2692,
15.4569

■ 23.4264, 21.4523,
21.8597

■ 9.0411, 14.1718,
15.0689

■ 25.8958, 22.7135,
22.5088

■ 28.5973, 24.0942,
23.1775

■ 31.5370, 25.5975,
23.8661

Harmonies

Analogous

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



13.2941, 16.2024, 14.9512



13.1138, 16.2024, 18.3558



13.5185, 16.2024, 22.0219

Triad

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



13.1138, 16.2024, 18.3558



16.8617, 16.2024, 23.8844



16.4130, 16.2024, 12.0396

Complementary

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



13.1138, 16.2024, 18.3558



12.3460, 10.6452, 10.4216

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.



17.4483, 16.2024, 13.8845



13.1138, 16.2024, 18.3558



17.7171, 16.2024, 20.6369

Square

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



13.1138, 16.2024, 18.3558



15.6473, 16.2024, 25.4814



17.9373, 16.2024, 16.9463



15.1551, 16.2024, 11.6015

Rectangle

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



13.1138, 16.2024, 18.3558



14.0792, 16.2024, 24.0259



17.9373, 16.2024, 16.9463



16.8007, 16.2024, 12.5022

Sweetspot

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



13.1143, 16.2031, 18.3562



28.6957, 31.6590, 35.0209



12.1024, 15.8563, 10.4058



6.7217, 7.4628, 8.2704



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1143, 16.2031, 18.3562



22.1769, 28.3535, 32.2257



11.9692, 13.4447, 19.4177



3.7630, 4.1472, 4.5861



9.6027, 15.0551, 15.9960



46.5648, 73.2732, 76.7365

Inverse Universe

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



12.3460, 10.6452, 10.4216



20.5806, 16.7938, 15.7315



13.2190, 12.7071, 9.7390



3.7023, 3.7082, 3.9589



8.1805, 4.2059, 0.8925



39.6741, 20.4197, 3.3471

Previews

White Background



This preview shows how the XYZ color 13.1138, 16.2024, 18.3558 looks on a white 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

Black Background



This preview shows how the XYZ color 13.1138, 16.2024, 18.3558 looks on a black 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

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

XYZ 13.1138, 16.2024, 18.3558

Background



This preview shows how black text looks on a background with the XYZ color 13.1138, 16.2024, 18.3558.



This preview shows how white text looks on a background with the XYZ color 13.1138, 16.2024,

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

13.1138, 16.2024, 18.3558

Protanopia

15.3842, 16.0504, 16.7552

Deuteranopia

16.2607, 15.9791, 18.7503



Tritanopia

13.9384, 16.1862, 22.4683

Trichromacy



Original Color

13.1138, 16.2024, 18.3558

Protanomaly

14.3660, 16.0071, 17.3714

Deuteranomaly

14.8325, 15.8903, 18.5050

Tritanomaly

13.6474, 16.2468, 20.8290

Monochromacy



Original Color

13.1138, 16.2024, 18.3558

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5359, 15.0913, 16.9514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1138, 16.2024, 18.3558 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(82, 119, 114)` looks like.

```
.text, #text, p{  
    color:rgb(82, 119, 114)  
}
```

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(82, 119, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 119, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.1138, 16.2024, 18.3558 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(82, 119, 114) }
```


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

```
.border{ border-color:rgb(82, 119, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 119, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 119, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 119, 114);  
box-shadow:4px 4px 4px 4px rgb(82, 119,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1138, 16.2024, 18.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 119, 114) }
```

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

```
.background{ background-color: rgb(82, 119,  
114) }
```

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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