

Converting Colors

XYZ(14.7159, 23.1060, 11.7731)

Have a look what the booklet for
XYZ(14.7159, 23.1060, 11.7731)
contains.

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Color

**XYZ(14.7498, 23.1439,
11.8734)**

Conversions

Conversions Part 1

Format	Color
Hex	479453
RGB	71, 148, 83
RGB Percent	28%, 58%, 33%
CMY	0.7216, 0.4196, 0.6745
CMYK	0.52, 0.00, 0.44, 0.42
HSL	129°, 35%, 43%
HSV	129°, 52%, 58%
XYZ	14.7498, 23.1439, 11.8734
YIQ	117.5670, -25.0270, -36.5390

Conversions

Conversions Part 2

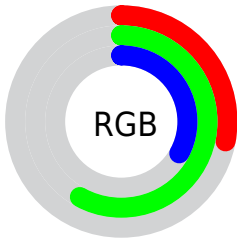
Format	Color
R_{YB}	71, 138, 148
Decimal	4691027
CIE _{Lab}	55.22, -38.29, 27.24
CIE _{LCh}	55, 46.995, 144.571
Yxy	23.1439, 0.2964, 0.4650
Android (android.graphics.Color)	4282881107 (0xFF479453)
YUV	117.5670, -17.0415, -40.8393
Hunter-Lab	48.1081, -29.4616, 19.0425

Details

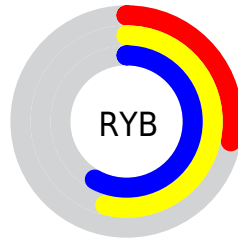
The XYZ color **14.7498, 23.1439, 11.8734** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.9107, 12.5805, 24.7252**, and the grayscale version is **17.1422, 18.0350, 19.6401**.

A 20% lighter version of the original color is **34.0470, 48.7653, 29.8085**, and **4.5764, 8.5318, 3.0747** is the 20% darker color. If you saturate the color by 10%, you get **13.3541, 22.4759, 9.5132**, and if you desaturate by 10%, it is **16.4980, 23.9850, 14.7049**.

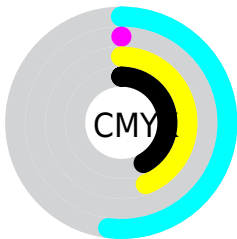
Distribution



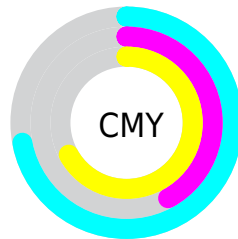
- Red (28%)
- Green (58%)
- Blue (33%)



- Red (28%)
- Yellow (54%)
- Blue (58%)



- Cyan (52%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)





- Cyan (72%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7498, 23.1439, 11.8734 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 14.7498, 23.1439, 11.8734 by changing the saturation by 10% instead.


 14.7498, 23.1439,
11.8734


 14.7498, 23.1439,
11.8734


215.2653,
268.4632, 214.5134


 8.7291, 14.6998,
6.5360


 33.9889, 48.6295,
29.9253


 4.6206, 8.6090,
3.0997


 47.9381, 66.4398,
43.4768


 2.0589, 4.4870,
1.1457

 65.2609, 88.1409,
60.6036

 0.6667, 1.9496,
0.0000

 86.3225, 114.1173,
81.7240

 0.0000, 0.5779,
0.0000

 111.4884,
144.7534, 107.2567

 0.0000, 0.0000,
0.0000

141.1240,

180.4334, 137.6201

175.5945,
221.5419, 173.2328

■ 14.7498, 23.1439,
11.8734

■ 14.7498, 23.1439,
11.8734

■ 13.3541, 22.4759,
9.5132

■ 16.4980, 23.9850,
14.7049

■ 12.2849, 21.9660,
7.5972

■ 18.6189, 25.0069,
18.0298

■ 11.5156, 21.6017,
6.0981

■ 21.1332, 26.2207,
21.8706

■ 11.0141, 21.3673,
4.9846

■ 24.0594, 27.6353,
26.2480

■ 10.7456, 21.2428,
4.3479

■ 27.4151, 29.2596,
31.1814

■ 31.2167, 31.1014,
36.6895

■ 35.4798, 33.1685,
42.7900

■ 40.2192, 35.4681,
49.4998

■ 45.4490, 38.0072,
56.8351

Harmonies

Analogous

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



18.0584, 23.1439, 6.9827



14.7498, 23.1439, 11.8734



13.3952, 23.1439, 22.5603

Triad

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



14.7498, 23.1439, 11.8734



21.0556, 23.1439, 66.3707



32.5238, 23.1439, 14.9818

Complementary

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



14.7498, 23.1439, 11.8734



18.9107, 12.5805, 24.7252

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.



33.6654, 23.1439, 28.0374



14.7498, 23.1439, 11.8734



26.4715, 23.1439, 61.7338

Square

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



14.7498, 23.1439, 11.8734



16.6455, 23.1439, 56.8917



31.2991, 23.1439, 45.9682



28.3890, 23.1439, 8.2119

Rectangle

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



14.7498, 23.1439, 11.8734



13.5971, 23.1439, 33.2021



31.2991, 23.1439, 45.9682



33.2954, 23.1439, 18.5991

Sweetspot

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



14.7504, 23.1449, 11.8739



40.1426, 47.6434, 42.8778



21.9547, 26.9078, 9.9981



8.9462, 10.7708, 9.4626



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.



14.7504, 23.1449, 11.8739



23.3034, 39.5325, 16.3347



16.6434, 23.9021, 21.8424



5.7643, 6.4823, 6.3695



9.1852, 18.1469, 3.7506



0.1194, 0.2249, 0.0828

Inverse Universe

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



18.9107, 12.5805, 24.7252



31.4307, 18.8396, 41.3990



16.6689, 11.6838, 12.9201



5.9969, 5.8938, 7.0897



13.5981, 6.6443, 17.1623



0.1749, 0.0847, 0.2544

Previews

White Background



This preview shows how the XYZ color 14.7498, 23.1439, 11.8734 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 14.7498, 23.1439, 11.8734 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 14.7498, 23.1439, 11.8734

Background



This preview shows how black text looks on a background with the XYZ color 14.7498, 23.1439, 11.8734.



This preview shows how white text looks on a background with the XYZ color 14.7498, 23.1439,

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

14.7498, 23.1439, 11.8734

Protanopia

20.9575, 22.6977, 10.2977

Deuteranopia

23.1269, 22.7944, 12.4134



Tritanopia

18.8945, 23.0168, 32.7250

Trichromacy



Original Color

14.7498, 23.1439, 11.8734

Protanomaly

17.6931, 22.2377, 10.7569

Deuteranomaly

18.8090, 22.1577, 12.0896

Tritanomaly

16.9817, 22.9006, 23.2639

Monochromacy



Original Color

14.7498, 23.1439, 11.8734

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.7669, 19.4871, 16.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7498, 23.1439, 11.8734 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(71, 148, 83)` looks like.

```
.text, #text, p{  
    color:rgb(71, 148, 83)  
}
```

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(71, 148, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 148, 83) }
```

Border

The CSS property to change the border of an element to XYZ 14.7498, 23.1439, 11.8734 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(71, 148, 83) }
```


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

```
.border{ border-color:rgb(71, 148, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 148, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 148, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 148, 83);  
box-shadow:4px 4px 4px 4px rgb(71, 148,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7498, 23.1439, 11.8734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 148, 83) }
```

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

```
.background{ background-color: rgb(71, 148,  
83) }
```

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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