

Converting Colors

XYZ(16.3594, 23.9124, 19.4669)

Have a look what the booklet for
XYZ(16.3594, 23.9124, 19.4669)
contains.

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Color

**XYZ(16.2430, 23.7498,
19.3509)**

Conversions

Conversions Part 1

Format	Color
Hex	489471
RGB	72, 148, 113
RGB Percent	28%, 58%, 44%
CMY	0.7176, 0.4196, 0.5569
CMYK	0.51, 0.00, 0.24, 0.42
HSL	152°, 35%, 43%
HSV	152°, 51%, 58%
XYZ	16.2430, 23.7498, 19.3509
YIQ	121.2860, -34.0610, -26.9970

Conversions

Conversions Part 2

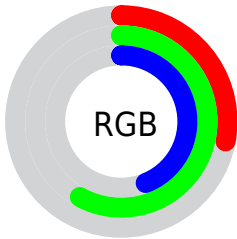
Format	Color
R_{YB}	72, 121, 148
Decimal	4756593
CIE _{Lab}	55.84, -32.17, 11.41
CIE _{LCh}	56, 34.135, 160.473
Yxy	23.7498, 0.2737, 0.4002
Android (android.graphics.Color)	4282946673 (0xFF489471)
YUV	121.2860, -4.0850, -43.2238
Hunter-Lab	48.7338, -25.7899, 10.5711

Details

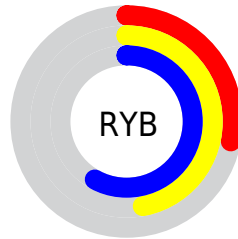
The XYZ color **16.2430, 23.7498, 19.3509** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1847, 11.9926, 15.3197**, and the grayscale version is **18.2877, 19.2401, 20.9524**.

A 20% lighter version of the original color is **36.7517, 49.8641, 43.2850**, and **5.3540, 8.9956, 6.4552** is the 20% darker color. If you saturate the color by 10%, you get **14.9003, 23.1010, 17.3599**, and if you desaturate by 10%, it is **17.8814, 24.5490, 21.5073**.

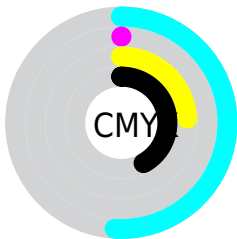
Distribution



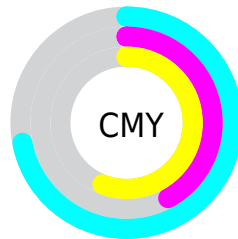
- Red (28%)
- Green (58%)
- Blue (44%)



- Red (28%)
- Yellow (47%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (72%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2430, 23.7498, 19.3509 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 16.2430, 23.7498, 19.3509 by changing the saturation by 10% instead.

■ 16.2430, 23.7498,
19.3509

■ 16.2430, 23.7498,
19.3509

224.0137,
271.5531, 260.8661

■ 9.7882, 15.1481,
11.7447

■ 36.5736, 49.6216,
43.1708

■ 5.3199, 8.9234,
6.4497

■ 51.1801, 67.6605,
60.2215

■ 2.4729, 4.6913,
3.0472

■ 69.2346, 89.6140,
81.2576

■ 0.8816, 2.0673,
1.1188

■ 91.1024, 115.8664,
106.6975

■ 0.0000, 0.6461,
0.0000

■ 117.1488,
146.8021, 136.9598

■ 0.0000, 0.0000,
0.0000

147.7393,

182.8055, 172.4629

183.2391,
224.2610, 213.6255

■ 16.2430, 23.7498,
19.3509

■ 16.2430, 23.7498,
19.3509

■ 14.9003, 23.1010,
17.3599

■ 17.8814, 24.5490,
21.5073

■ 13.8315, 22.5894,
15.5284

■ 19.8317, 25.5050,
23.8314

■ 13.0144, 22.2044,
13.8525

■ 22.1111, 26.6272,
26.3277

■ 12.4226, 21.9324,
12.3274

■ 24.7350, 27.9235,
28.9998

■ 12.0325, 21.7576,
11.1244

■ 27.7177, 29.4011,
31.8515

■ 31.0728, 31.0670,
34.8860

■ 34.8130, 32.9277,
38.1068

■ 38.9506, 34.9895,
41.5172

■ 43.4972, 37.2583,
45.1204

Harmonies

Analogous

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



18.0661, 23.7498, 12.7663



16.2430, 23.7498, 19.3509



15.9993, 23.7498, 29.9438

Triad

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



16.2430, 23.7498, 19.3509



23.9578, 23.7498, 53.0971



28.7423, 23.7498, 14.3160

Complementary

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



16.2430, 23.7498, 19.3509



17.1847, 11.9926, 15.3197

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.



30.7393, 23.7498, 22.1646



16.2430, 23.7498, 19.3509



27.7743, 23.7498, 45.7727

Square

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



16.2430, 23.7498, 19.3509



20.1689, 23.7498, 51.6983



30.3661, 23.7498, 33.6849



25.1620, 23.7498, 10.4894

Rectangle

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



16.2430, 23.7498, 19.3509



16.7311, 23.7498, 38.2885



30.3661, 23.7498, 33.6849



29.6386, 23.7498, 16.4615

Sweetspot

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



16.2436, 23.7508, 19.3514



41.7399, 48.3271, 49.2678



17.8800, 24.8035, 9.9763



9.3257, 10.9319, 11.0406



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.



16.2436, 23.7508, 19.3514



25.8982, 40.5704, 29.9985



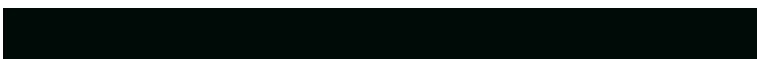
18.2154, 23.9106, 31.6733



5.8525, 6.5176, 6.8344



10.2911, 18.5892, 9.5746



0.1409, 0.2335, 0.1957

Inverse Universe

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



17.1847, 11.9926, 15.3197



27.7593, 17.3710, 22.0653



15.8676, 11.7333, 7.5595



5.9052, 5.8572, 6.6071



11.3405, 5.7413, 5.2742



0.1534, 0.0761, 0.1415

Previews

White Background



This preview shows how the XYZ color 16.2430, 23.7498, 19.3509 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 16.2430, 23.7498, 19.3509 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 16.2430, 23.7498, 19.3509

Background



This preview shows how black text looks on a background with the XYZ color 16.2430, 23.7498, 19.3509.



This preview shows how white text looks on a background with the XYZ color 16.2430, 23.7498,

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

16.2430, 23.7498, 19.3509

Protanopia

21.9736, 23.4784, 17.0093

Deuteranopia

23.8790, 23.3981, 20.0873



Tritanopia

19.3114, 23.8628, 34.1600

Trichromacy



Original Color

16.2430, 23.7498, 19.3509

Protanomaly

19.0513, 22.9941, 17.9022

Deuteranomaly

19.9847, 22.7999, 19.8705

Tritanomaly

18.0939, 23.8204, 28.0702

Monochromacy



Original Color

16.2430, 23.7498, 19.3509

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.9798, 20.4242, 20.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2430, 23.7498, 19.3509 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(72, 148, 113)` looks like.

```
.text, #text, p{  
    color:rgb(72, 148, 113)  
}
```

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(72, 148, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 148, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.2430, 23.7498, 19.3509 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(72, 148, 113) }
```


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

```
.border{ border-color:rgb(72, 148, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 148, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 148, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 148, 113);  
box-shadow:4px 4px 4px 4px rgb(72, 148,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2430, 23.7498, 19.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 148, 113) }
```

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

```
.background{ background-color: rgb(72, 148,  
113) }
```

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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