

Converting Colors

XYZ(23.4246, 22.7777, 46.3419)

Have a look what the booklet for
XYZ(23.4246, 22.7777, 46.3419)
contains.

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Color

**XYZ(23.4246, 22.7777,
46.3419)**

Conversions

Conversions Part 1

Format	Color
Hex	7581B4
RGB	117, 129, 180
RGB Percent	46%, 51%, 71%
CMY	0.5412, 0.4941, 0.2941
CMYK	0.35, 0.28, 0.00, 0.29
HSL	229°, 30%, 58%
HSV	229°, 35%, 71%
XYZ	23.4246, 22.7777, 46.3419
YIQ	131.2260, -23.5230, 13.3170

Conversions

Conversions Part 2

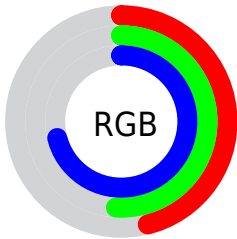
Format	Color
R_{YB}	117, 127, 180
Decimal	7700916
CIE _{Lab}	54.84, 8.13, -28.30
CIE _{LCh}	55, 29.443, 286.024
Yxy	22.7777, 0.2531, 0.2461
Android (android.graphics.Color)	4285890996 (0xFF7581B4)
YUV	131.2260, 24.0456, -12.4762
Hunter-Lab	47.7260, 4.0899, -24.1624

Details

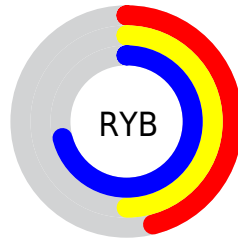
The XYZ color **23.4246, 22.7777, 46.3419** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.0365, 38.9935, 22.4577**, and the grayscale version is **21.5775, 22.7012, 24.7216**.

A 20% lighter version of the original color is **48.6629, 48.1700, 86.0898**, and **8.9462, 8.4279, 21.2339** is the 20% darker color. If you saturate the color by 10%, you get **19.4502, 18.0802, 45.6451**, and if you desaturate by 10%, it is **28.1393, 28.2641, 47.1528**.

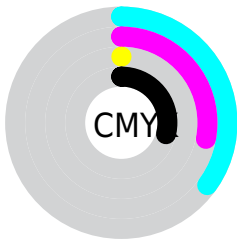
Distribution



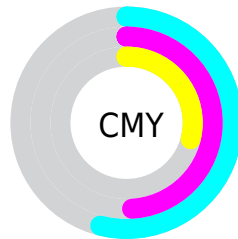
- Red (46%)
- Green (51%)
- Blue (71%)



- Red (46%)
- Yellow (50%)
- Blue (71%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)
- Black (29%)



- Cyan (54%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4246, 22.7777, 46.3419 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 23.4246, 22.7777, 46.3419 by changing the saturation by 10% instead.

■ 23.4246, 22.7777,
46.3419

■ 23.4246, 22.7777,
46.3419

262.3932,
266.5812, 388.4989

■ 15.0298, 14.4294,
32.1651

■ 48.5511, 48.0281,
86.0701

■ 8.9267, 8.4200,
21.2218

■ 66.0135, 65.6989,
112.4586

■ 4.7501, 4.3648,
13.0934

■ 87.2292, 87.2462,
143.7547

■ 2.1347, 1.8797,
7.3614

112.5634,
113.0541, 180.3771

■ 0.7080, 0.5361,
3.6073

142.3815,
143.5072, 222.7441

■ 0.0000, 0.0000,
1.4125

177.0490,

■ 0.0000, 0.0000,

178.9898, 271.2744

0.1514

216.9311,
219.8863, 326.3865

■ 0.0000, 0.0000,
0.0000

■ 23.4246, 22.7777,
46.3419

■ 23.4246, 22.7777,
46.3419

■ 19.4502, 18.0802,
45.6451

■ 28.1393, 28.2641,
47.1528

■ 16.1756, 14.1322,
45.0556

■ 33.6274, 34.5713,
48.0810

■ 13.5596, 10.8946,
44.5686

■ 39.9229, 41.7323,
49.1314

■ 11.5558, 8.3237,
44.1780

■ 47.0569, 49.7777,
50.3083

■ 10.1116, 6.3708,
43.8771

■ 55.0590, 58.7366,
51.6158

■ 9.1639, 4.9792,
43.6585

■ 63.9572, 68.6366,
53.0577

■ 8.8185, 4.4558,
43.5756

■ 73.7784, 79.5041,
54.6377

■ 82.3048, 90.2083,
56.2544

■ 85.2383, 96.0753,
57.2322

Harmonies

Analogous

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



20.1720, 22.7777, 46.5940



23.4246, 22.7777, 46.3419



26.4761, 22.7777, 39.4554

Triad

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



23.4246, 22.7777, 46.3419



26.2956, 22.7777, 14.0038



16.1233, 22.7777, 20.7166

Complementary

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



23.4246, 22.7777, 46.3419



36.0365, 38.9935, 22.4577

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, 22.7777, 14.3157



23.4246, 22.7777, 46.3419



23.1975, 22.7777, 11.1505

Square

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



23.4246, 22.7777, 46.3419



28.2437, 22.7777, 20.1724



19.9665, 22.7777, 11.2481



16.1710, 22.7777, 30.0885

Rectangle

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



23.4246, 22.7777, 46.3419



27.8906, 22.7777, 32.8264



19.9665, 22.7777, 11.2481



16.4167, 22.7777, 18.2035

Sweetspot

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



23.4254, 22.7786, 46.3424



66.2974, 68.7560, 88.0716



30.6701, 39.2298, 42.7096



13.9921, 14.4768, 18.9791



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.4254, 22.7786, 46.3424



36.7961, 34.6031, 83.0343



24.7374, 21.2446, 45.9772



8.1686, 8.4835, 10.7133



6.1926, 3.1856, 30.4255



0.2336, 0.1778, 0.9702

Inverse Universe

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



29.1468, 24.0117, 23.8682



48.8454, 37.5827, 35.6178



34.2508, 41.5148, 23.0385



8.5603, 8.5308, 9.1831



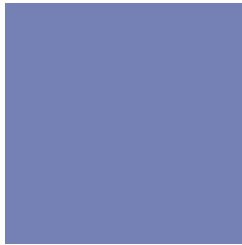
13.3604, 6.8617, 1.7919



0.4400, 0.2237, 0.1595

Previews

White Background



This preview shows how the XYZ color 23.4246, 22.7777, 46.3419 looks on a white background.

Color Contrast Check

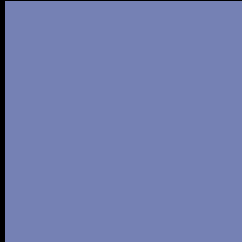
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4246, 22.7777, 46.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

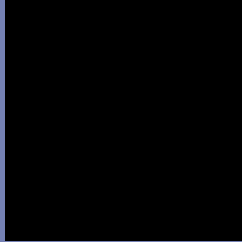
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4246, 22.7777, 46.3419

Background



This preview shows how black text looks on a background with the XYZ color 23.4246, 22.7777, 46.3419.



This preview shows how white text looks on a background with the XYZ color 23.4246, 22.7777,

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

23.4246, 22.7777, 46.3419

Protanopia

23.2909, 22.7088, 46.3357

Deuteranopia

23.2909, 22.7088, 46.3357



Tritanopia

20.1590, 22.6545, 30.5044

Trichromacy



Original Color

23.4246, 22.7777, 46.3419

Protanomaly

23.2909, 22.7088, 46.3357

Deuteranomaly

23.2909, 22.7088, 46.3357

Tritanomaly

21.2412, 22.6884, 35.6075

Monochromacy



Original Color

23.4246, 22.7777, 46.3419

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0116, 22.5708, 31.6302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4246, 22.7777, 46.3419 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(117, 129, 180)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 180)  
}
```

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(117, 129, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.4246, 22.7777, 46.3419 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(117, 129, 180) }
```


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

```
.border{ border-color:rgb(117, 129, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 129, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 129, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 129, 180);  
box-shadow:4px 4px 4px 4px rgb(117, 129,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4246, 22.7777, 46.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 180) }
```

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

```
.background{ background-color: rgb(117,  
129, 180) }
```

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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