

Converting Colors

XYZ(19.3682, 23.2490, 20.5016)

Have a look what the booklet for
XYZ(19.3682, 23.2490, 20.5016)
contains.

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Color

**XYZ(19.4421, 23.3507,
20.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	728B76
RGB	114, 139, 118
RGB Percent	45%, 55%, 46%
CMY	0.5529, 0.4549, 0.5372
CMYK	0.18, 0.00, 0.15, 0.45
HSL	130°, 10%, 50%
HSV	130°, 18%, 55%
XYZ	19.4421, 23.3507, 20.6220
YIQ	129.1310, -8.1590, -11.8310

Conversions

Conversions Part 2

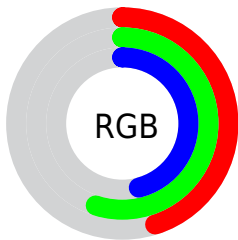
Format	Color
RYB	114, 136, 139
Decimal	7506806
CIELab	55.43, -13.29, 8.30
CIElCh	55, 15.672, 148.010
Yxy	23.3507, 0.3066, 0.3682
Android (android.graphics.Color)	4285696886 (0xFF728B76)
YUV	129.1310, -5.4876, -13.2699
Hunter-Lab	48.3226, -12.7468, 8.5234

Details

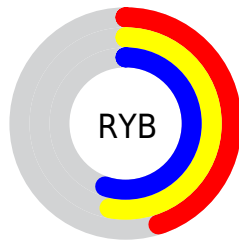
The XYZ color **19.4421, 23.3507, 20.6220** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0388, 19.2734, 25.5340**, and the grayscale version is **20.9334, 22.0235, 23.9836**.

A 20% lighter version of the original color is **42.0515, 49.1492, 45.3006**, and **6.9246, 8.7452, 7.1174** is the 20% darker color. If you saturate the color by 10%, you get **17.1182, 22.2286, 17.1128**, and if you desaturate by 10%, it is **22.1280, 24.6508, 24.5976**.

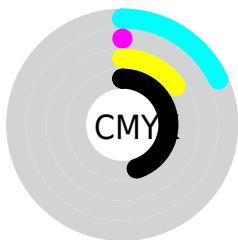
Distribution



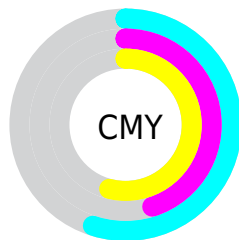
- Red (45%)
- Green (55%)
- Blue (46%)



- Red (45%)
- Yellow (53%)
- Blue (55%)



- Cyan (18%)
- Magenta (0%)
- Yellow (15%)
- Black (45%)



- Cyan (55%)
- Magenta (45%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4421, 23.3507, 20.6220 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 19.4421, 23.3507, 20.6220 by changing the saturation by 10% instead.

■ 19.4421, 23.3507,
20.6220

■ 19.4421, 23.3507,
20.6220

241.7702,
269.5212, 267.9775

■ 12.0961, 14.8527,
12.6594

■ 41.9909, 48.9685,
45.3302

■ 6.8818, 8.7161,
7.0665

■ 57.9245, 66.8571,
62.9129

■ 3.4340, 4.5564,
3.4246

■ 77.4512, 88.6447,
84.5393

■ 1.3872, 1.9894,
1.3153

■ 100.9364,
114.7157, 110.6282

■ 0.2471, 0.6013,
0.0743

128.7456,
145.4544, 141.5978

■ 0.0000, 0.0000,
0.0000

161.2441,

181.2453, 177.8669

198.7971,
222.4728, 219.8540

■ 19.4421, 23.3507,
20.6220

■ 19.4421, 23.3507,
20.6220

■ 17.1182, 22.2286,
17.1128

■ 22.1280, 24.6508,
24.5976

■ 15.1389, 21.2740,
14.0513

■ 25.1885, 26.1331,
29.0542

■ 13.4883, 20.4796,
11.4201

■ 28.6380, 27.8053,
34.0076

■ 12.1482, 19.8365,
9.1997

■ 32.4896, 29.6739,
39.4727

■ 11.0990, 19.3350,
7.3695

■ 36.7557, 31.7450,
45.4633

■ 10.3185, 18.9642,
5.9068

■ 41.4482, 34.0244,
51.9932

■ 9.7814, 18.7116,
4.7867

■ 46.5785, 36.5177,
59.0753

■ 9.4392, 18.5527,
3.9802

■ 52.1575, 39.2303,
66.7222

■ 9.3802, 18.5250,
3.8526

■ 58.1960, 42.1675,
74.9462

Harmonies

Analogous

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



20.6403, 23.3507, 17.7827



19.4421, 23.3507, 20.6220



18.9766, 23.3507, 25.0895

Triad

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



19.4421, 23.3507, 20.6220



22.0767, 23.3507, 36.4107



25.3226, 23.3507, 21.1338

Complementary

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



19.4421, 23.3507, 20.6220



21.0388, 19.2734, 25.5340

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.



25.7563, 23.3507, 25.7634



19.4421, 23.3507, 20.6220



23.8241, 23.3507, 34.9925

Square

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



19.4421, 23.3507, 20.6220



20.4468, 23.3507, 34.5772



25.1943, 23.3507, 30.9211



24.0383, 23.3507, 18.0495

Rectangle

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



19.4421, 23.3507, 20.6220



19.1247, 23.3507, 28.5455



25.1943, 23.3507, 30.9211



25.5756, 23.3507, 22.5405

Sweetspot

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



19.4427, 23.3517, 20.6225



41.1328, 44.8729, 46.2551



22.3028, 24.8530, 19.5415



9.4019, 10.3030, 10.5471



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.



19.4427, 23.3517, 20.6225



32.8689, 40.8752, 34.0052



20.2189, 23.6621, 24.7097



5.0024, 5.6204, 5.5336



8.4702, 16.7207, 3.5010



0.0598, 0.1125, 0.0420

Inverse Universe

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



21.0388, 19.2734, 25.5340



36.3312, 32.0267, 44.6583



20.2251, 18.9479, 21.2489



5.2001, 5.1155, 6.1420



12.5003, 6.1102, 15.6707



0.0873, 0.0423, 0.1266

Previews

White Background



This preview shows how the XYZ color 19.4421, 23.3507, 20.6220 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 19.4421, 23.3507, 20.6220 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 19.4421, 23.3507, 20.6220

Background



This preview shows how black text looks on a background with the XYZ color 19.4421, 23.3507, 20.6220.



This preview shows how white text looks on a background with the XYZ color 19.4421, 23.3507,

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

19.4421, 23.3507, 20.6220

Protanopia

21.9360, 23.2064, 19.2427

Deuteranopia

23.6870, 23.2784, 21.0140



Tritanopia

21.4600, 23.3252, 30.5653

Trichromacy



Original Color

19.4421, 23.3507, 20.6220

Protanomaly

20.9644, 23.3116, 19.6143

Deuteranomaly

21.8976, 23.1528, 20.7676

Tritanomaly

20.5842, 23.1678, 26.6795

Monochromacy



Original Color

19.4421, 23.3507, 20.6220

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4014, 22.5408, 22.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4421, 23.3507, 20.6220 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(114, 139, 118)` looks like.

```
.text, #text, p{  
    color:rgb(114, 139, 118)  
}
```

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(114, 139, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 139, 118) }
```

Border

The CSS property to change the border of an element to XYZ 19.4421, 23.3507, 20.6220 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(114, 139, 118) }
```


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

```
.border{ border-color:rgb(114, 139, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 139, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 139, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 139, 118);  
box-shadow:4px 4px 4px 4px rgb(114, 139,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4421, 23.3507, 20.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 139, 118) }
```

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

```
.background{ background-color: rgb(114,  
139, 118) }
```

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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