

Converting Colors

XYZ(22.3291, 19.1554, 57.0814)

Have a look what the booklet for
XYZ(22.3291, 19.1554, 57.0814)
contains.

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Color

**XYZ(22.2743, 19.0446,
57.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	6A71C8
RGB	106, 113, 200
RGB Percent	42%, 44%, 78%
CMY	0.5843, 0.5569, 0.2157
CMYK	0.47, 0.43, 0.00, 0.22
HSL	236°, 46%, 60%
HSV	236°, 47%, 78%
XYZ	22.2743, 19.0446, 57.1456
YIQ	120.8250, -32.0990, 25.5730

Conversions

Conversions Part 2

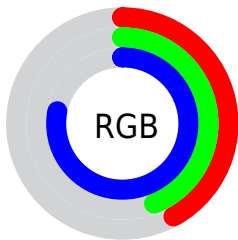
Format	Color
R _Y B	106, 113, 200
Decimal	6975944
CIE _{Lab}	50.74, 20.60, -46.26
CIE _{LCh}	51, 50.636, 294.001
Y _{xy}	19.0446, 0.2262, 0.1934
Android (android.graphics.Color)	4285166024 (0xFF6A71C8)
Y _{UV}	120.8250, 39.0333, -13.0015
Hunter-Lab	43.6401, 14.7378, -47.0906

Details

The XYZ color **22.2743, 19.0446, 57.1456** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.4918, 51.4612, 21.1720**, and the grayscale version is **18.0037, 18.9413, 20.6271**.

A 20% lighter version of the original color is **46.4054, 41.8116, 100.2324**, and **8.2678, 6.4779, 27.6027** is the 20% darker color. If you saturate the color by 10%, you get **18.3100, 14.2418, 56.4279**, and if you desaturate by 10%, it is **27.2155, 24.9768, 58.0306**.

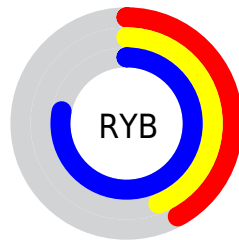
Distribution



Red (42%)

Green (44%)

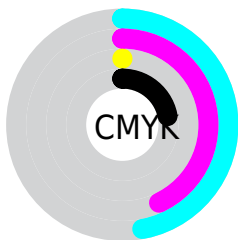
Blue (78%)



Red (42%)

Yellow (44%)

Blue (78%)

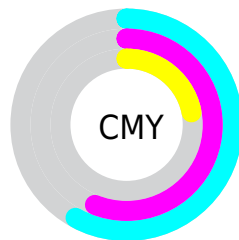


Cyan (47%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2743, 19.0446, 57.1456 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 22.2743, 19.0446, 57.1456 by changing the saturation by 10% instead.

■ 22.2743, 19.0446,
57.1456

■ 22.2743, 19.0446,
57.1456

256.5809,
246.6949, 431.5037

■ 14.1763, 11.7025,
40.7120

■ 46.6744, 41.8094,
102.1800

■ 8.3259, 6.5414,
27.7761

■ 63.7073, 58.0010,
131.6180

■ 4.3578, 3.1770,
17.9194

■ 84.4491, 77.9112,
166.2278

■ 1.9065, 1.2248,
10.7233

■ 109.2654,
101.9243, 206.4280

■ 0.5806, 0.0819,
5.7693

138.5213,
130.4249, 252.6372

■ 0.0000, 0.0000,
2.6388

172.5823,

■ 0.0000, 0.0000,

163.7972, 305.2738

0.9124

211.8137,
202.4258, 364.7565

■ 0.0000, 0.0000,
0.0000

■ 22.2743, 19.0446,
57.1456

■ 22.2743, 19.0446,
57.1456

■ 18.3100, 14.2418,
56.4279

■ 27.2155, 24.9768,
58.0306

■ 15.2555, 10.4947,
55.8656

■ 33.1903, 32.1019,
59.0910

■ 13.0387, 7.7239,
55.4476

■ 40.2538, 40.4808,
60.3360

■ 11.5756, 5.8381,
55.1608

■ 48.4562, 50.1700,
61.7739

■ 10.7587, 4.7251,
54.9890

■ 57.8450, 61.2223,
63.4123

■ 10.5947, 4.5087,
54.9559

■ 68.4647, 73.6876,
65.2586

■ 80.3578, 87.6134,
67.3198

■ 87.4254, 96.9502,
68.7494

Harmonies

Analogous

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



17.1206, 19.0446, 61.6150



22.2743, 19.0446, 57.1456



26.9880, 19.0446, 41.3476

Triad

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



22.2743, 19.0446, 57.1456



24.3210, 19.0446, 5.5381



10.1620, 19.0446, 18.0047

Complementary

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



22.2743, 19.0446, 57.1456



45.4918, 51.4612, 21.1720

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.



11.4171, 19.0446, 8.4488



22.2743, 19.0446, 57.1456



19.1188, 19.0446, 3.6878

Square

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



22.2743, 19.0446, 57.1456



28.3130, 19.0446, 11.4756



14.4851, 19.0446, 4.4342



10.6980, 19.0446, 33.9831

Rectangle

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



22.2743, 19.0446, 57.1456



28.9321, 19.0446, 29.2338



14.4851, 19.0446, 4.4342



10.3799, 19.0446, 14.0692

Sweetspot

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



22.2751, 19.0453, 57.1461



73.4639, 74.5468, 105.1248



36.1318, 48.1865, 57.3632



15.0901, 15.2059, 22.3897



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.2751, 19.0453, 57.1461



31.8197, 24.8021, 97.7179



27.2867, 20.5141, 57.1654



10.1191, 10.4122, 13.3939



6.7621, 2.9181, 34.9512



0.3427, 0.1832, 1.6625

Inverse Universe

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



31.9548, 23.7806, 18.5293



50.6209, 34.3184, 22.6398



37.9209, 49.9095, 21.2716



10.6654, 10.6495, 11.2212



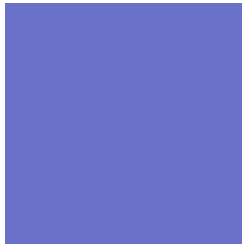
15.2125, 7.8346, 1.0631



0.7317, 0.3755, 0.1102

Previews

White Background



This preview shows how the XYZ color 22.2743, 19.0446, 57.1456 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 22.2743, 19.0446, 57.1456 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 22.2743, 19.0446, 57.1456

Background



This preview shows how black text looks on a background with the XYZ color 22.2743, 19.0446, 57.1456.



This preview shows how white text looks on a background with the XYZ color 22.2743, 19.0446,

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

22.2743, 19.0446, 57.1456

Protanopia

21.0337, 19.2013, 59.7244

Deuteranopia

19.6289, 19.0916, 56.0766



Tritanopia

16.1292, 19.0596, 26.4957

Trichromacy



Original Color

22.2743, 19.0446, 57.1456

Protanomaly

21.4385, 19.0779, 59.0524

Deuteranomaly

20.4434, 18.9652, 56.6160

Tritanomaly

18.0240, 18.8900, 35.9539

Monochromacy



Original Color

22.2743, 19.0446, 57.1456

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1859, 18.8719, 31.4856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2743, 19.0446, 57.1456 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(106, 113, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 113, 200)  
}
```

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(106, 113, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 113, 200) }
```

Border

The CSS property to change the border of an element to XYZ 22.2743, 19.0446, 57.1456 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(106, 113, 200) }
```


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

```
.border{ border-color:rgb(106, 113, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 113, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 113, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 113, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 113,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2743, 19.0446, 57.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 113, 200) }
```

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

```
.background{ background-color: rgb(106,  
113, 200) }
```

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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