

Converting Colors

XYZ(22.8377, 21.8080, 48.1290)

Have a look what the booklet for
XYZ(22.8377, 21.8080, 48.1290)
contains.

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Color

**XYZ(22.9226, 21.8931,
48.3650)**

Conversions

Conversions Part 1

Format	Color
Hex	717EB8
RGB	113, 126, 184
RGB Percent	44%, 49%, 72%
CMY	0.5569, 0.5059, 0.2784
CMYK	0.39, 0.32, 0.00, 0.28
HSL	229°, 33%, 58%
HSV	229°, 39%, 72%
XYZ	22.9226, 21.8931, 48.3650
YIQ	128.7250, -26.3660, 15.2820

Conversions

Conversions Part 2

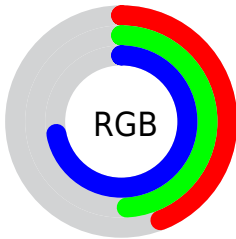
Format	Color
R_{YB}	113, 124, 184
Decimal	7438008
CIE Lab	53.91, 9.88, -32.06
CIE LCh	54, 33.546, 287.123
Yxy	21.8931, 0.2460, 0.2350
Android (android.graphics.Color)	4285628088 (0xFF717EB8)
YUV	128.7250, 27.2506, -13.7908
Hunter-Lab	46.7901, 5.5651, -28.5326

Details

The XYZ color **22.9226, 21.8931, 48.3650** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.3113, 40.5090, 21.4761**, and the grayscale version is **20.6852, 21.7624, 23.6993**.

A 20% lighter version of the original color is **47.7846, 46.7470, 88.9426**, and **8.6751, 7.9385, 22.5478** is the 20% darker color. If you saturate the color by 10%, you get **19.0113, 17.2350, 47.6724**, and if you desaturate by 10%, it is **27.6042, 27.3779, 49.1773**.

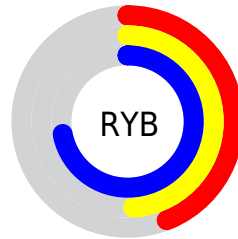
Distribution



Red (44%)

Green (49%)

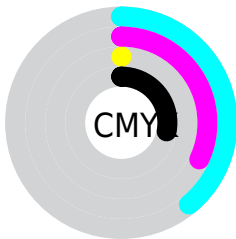
Blue (72%)



Red (44%)

Yellow (49%)

Blue (72%)

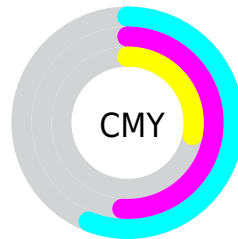


Cyan (39%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (56%)

Magenta (51%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9226, 21.8931, 48.3650 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 22.9226, 21.8931, 48.3650 by changing the saturation by 10% instead.

■ 22.9226, 21.8931,
48.3650

■ 22.9226, 21.8931,
48.3650

259.8700,
261.9875, 396.7874

■ 14.6567, 13.7784,
33.7540

■ 47.7338, 46.5693,
89.1188

■ 8.6636, 7.9667,
22.4288

■ 65.0099, 63.8995,
116.0987

■ 4.5778, 4.0736,
13.9710

■ 86.0200, 85.0703,
148.0386

■ 2.0339, 1.7148,
7.9620

111.1297,
110.4661, 185.3570

■ 0.6529, 0.4332,
3.9832

140.7041,
140.4714, 228.4726

■ 0.0000, 0.0000,
1.6161

175.1087,

■ 0.0000, 0.0000,

175.4704, 277.8039

0.3023

214.7089,
215.8477, 333.7693

■ 0.0000, 0.0000,
0.0000

■ 22.9226, 21.8931,
48.3650

■ 22.9226, 21.8931,
48.3650

■ 19.0113, 17.2350,
47.6724

■ 27.6042, 27.3779,
49.1773

■ 15.8258, 13.3604,
47.0925

■ 33.0925, 33.7247,
50.1131

■ 13.3209, 10.2257,
46.6194

■ 39.4245, 40.9698,
51.1778

■ 11.4449, 7.7821,
46.2467

■ 46.6339, 49.1467,
52.3762

■ 10.1383, 5.9745,
45.9666

■ 54.7529, 58.2872,
53.7125

■ 9.3097, 4.7281,
45.7697

■ 63.8119, 68.4214,
55.1912

■ 9.2150, 4.5871,
45.7475

■ 73.8398, 79.5782,
56.8161

■ 82.9239, 90.7850,
58.5005

■ 85.6518, 96.2407,
59.4097

Harmonies

Analogous

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



19.2982, 21.8931, 48.9793



22.9226, 21.8931, 48.3650



26.3280, 21.8931, 40.1060

Triad

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



22.9226, 21.8931, 48.3650



25.9044, 21.8931, 12.0254



14.7428, 21.8931, 19.6720

Complementary

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



22.9226, 21.8931, 48.3650



37.3113, 40.5090, 21.4761

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.



16.1203, 21.8931, 12.6984



22.9226, 21.8931, 48.3650



22.3961, 21.8931, 9.2238

Square

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



22.9226, 21.8931, 48.3650



28.1816, 21.8931, 18.4451



18.8290, 21.8931, 9.4280



14.8490, 21.8931, 30.1909

Rectangle

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



22.9226, 21.8931, 48.3650



27.8905, 21.8931, 32.4421



18.8290, 21.8931, 9.4280



15.0403, 21.8931, 16.9078

Sweetspot

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



22.9234, 21.8939, 48.3655



67.1371, 69.3285, 92.0478



31.3002, 40.7318, 44.7326



14.1515, 14.5778, 19.7895



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.9234, 21.8939, 48.3655



35.6504, 32.6687, 86.6313



24.6272, 20.4629, 47.9995



8.6506, 8.9784, 11.3565



6.3894, 3.2386, 31.5414



0.2659, 0.1956, 1.1255

Inverse Universe

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



29.4388, 23.5077, 22.7253



49.2165, 36.4790, 33.1439



34.9240, 43.1046, 22.1030



9.0700, 9.0384, 9.7160



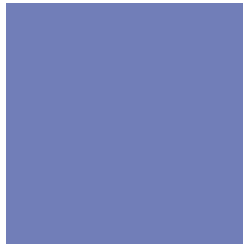
13.8388, 7.1093, 1.7718



0.5084, 0.2588, 0.1706

Previews

White Background



This preview shows how the XYZ color 22.9226, 21.8931, 48.3650 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 22.9226, 21.8931, 48.3650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

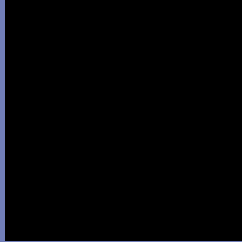
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9226, 21.8931, 48.3650

Background



This preview shows how black text looks on a background with the XYZ color 22.9226, 21.8931, 48.3650.



This preview shows how white text looks on a background with the XYZ color 22.9226, 21.8931,

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

22.9226, 21.8931, 48.3650

Protanopia

22.7767, 21.9965, 48.9442

Deuteranopia

22.4254, 21.8276, 48.3786



Tritanopia

19.1527, 21.9474, 29.6124

Trichromacy



Original Color

22.9226, 21.8931, 48.3650

Protanomaly

22.9019, 22.0610, 48.9501

Deuteranomaly

22.6715, 21.9544, 48.3901

Tritanomaly

20.4377, 21.8616, 35.9434

Monochromacy



Original Color

22.9226, 21.8931, 48.3650

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3124, 21.8192, 31.5220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9226, 21.8931, 48.3650 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(113, 126, 184)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 184)  
}
```

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(113, 126, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.9226, 21.8931, 48.3650 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(113, 126, 184) }
```


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

```
.border{ border-color:rgb(113, 126, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 126, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 184);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9226, 21.8931, 48.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 184) }
```

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

```
.background{ background-color: rgb(113,  
126, 184) }
```

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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