

Converting Colors

XYZ(22.7204, 21.5571, 54.0024)

Have a look what the booklet for
XYZ(22.7204, 21.5571, 54.0024)
contains.

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Color

**XYZ(22.6647, 21.4458,
53.9838)**

Conversions

Conversions Part 1

Format	Color
Hex	677DC2
RGB	103, 125, 194
RGB Percent	40%, 49%, 76%
CMY	0.5961, 0.5098, 0.2392
CMYK	0.47, 0.36, 0.00, 0.24
HSL	225°, 43%, 58%
HSV	225°, 47%, 76%
XYZ	22.6647, 21.4458, 53.9838
YIQ	126.2880, -35.2610, 16.7950

Conversions

Conversions Part 2

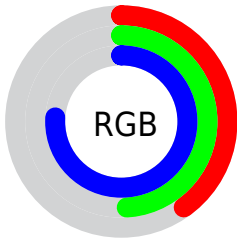
Format	Color
R _Y B	103, 121, 194
Decimal	6782402
CIE Lab	53.43, 10.77, -38.58
CIE LCh	53, 40.056, 285.600
Yxy	21.4458, 0.2311, 0.2186
Android (android.graphics.Color)	4284972482 (0xFF677DC2)
YUV	126.2880, 33.3820, -20.4236
Hunter-Lab	46.3096, 6.3191, -36.6985

Details

The XYZ color **22.6647, 21.4458, 53.9838** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.4497, 41.9549, 18.8519**, and the grayscale version is **19.8283, 20.8609, 22.7176**.

A 20% lighter version of the original color is **47.2353, 45.6784, 97.5940**, and **8.5598, 7.8055, 25.8664** is the 20% darker color. If you saturate the color by 10%, you get **18.9659, 16.9766, 53.3165**, and if you desaturate by 10%, it is **27.1571, 26.7343, 54.7682**.

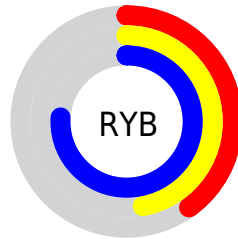
Distribution



Red (40%)

Green (49%)

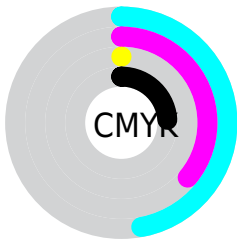
Blue (76%)



Red (40%)

Yellow (47%)

Blue (76%)

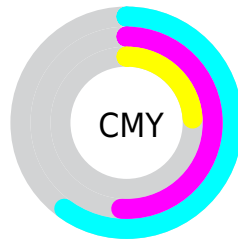


Cyan (47%)

Magenta (36%)

Yellow (0%)

Black (24%)



Cyan (60%)

Magenta (51%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6647, 21.4458, 53.9838 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 22.6647, 21.4458, 53.9838 by changing the saturation by 10% instead.

■ 22.6647, 21.4458,
53.9838

■ 22.6647, 21.4458,
53.9838

258.5657,
259.6383, 419.2211

■ 14.4655, 13.4503,
38.1956

■ 47.3129, 45.8283,
97.5066

■ 8.5290, 7.7393,
25.8315

■ 64.4926, 62.9840,
126.0783

■ 4.4899, 3.9286,
16.4730

■ 85.3964, 83.9620,
159.7483

■ 1.9828, 1.6337,
9.7015

■ 110.3898,
109.1465, 198.9351

■ 0.6243, 0.3802,
5.0985

139.8380,
138.9220, 244.0573

■ 0.0000, 0.0000,
2.2454

174.1065,

■ 0.0000, 0.0000,

173.6728, 295.5333

0.7004

213.5607,
213.7835, 353.7817

■ 0.0000, 0.0000,
0.0000

■ 22.6647, 21.4458,
53.9838

■ 22.6647, 21.4458,
53.9838

■ 18.9659, 16.9766,
53.3165

■ 27.1571, 26.7343,
54.7682

■ 16.0101, 13.2815,
52.7591

■ 32.4848, 32.8794,
55.6735

■ 13.7441, 10.3143,
52.3058

■ 38.6894, 39.9186,
56.7052

■ 12.1062, 8.0222,
51.9497

■ 45.8089, 47.8867,
57.8680

■ 11.0164, 6.3411,
51.6826

■ 53.8789, 56.8164,
59.1663

■ 10.7501, 5.9200,
51.6154

■ 62.9334, 66.7389,
60.6043

■ 73.0043, 77.6839,
62.1861

■ 82.9336, 89.0670,
63.8599

■ 86.7377, 96.6751,
65.1279

Harmonies

Analogous

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



18.4152, 21.4458, 54.2063



22.6647, 21.4458, 53.9838



26.8081, 21.4458, 43.8892

Triad

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



22.6647, 21.4458, 53.9838



26.6628, 21.4458, 10.2885



13.4396, 21.4458, 17.9933

Complementary

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



22.6647, 21.4458, 53.9838



39.4497, 41.9549, 18.8519

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.



15.0774, 21.4458, 10.4909



22.6647, 21.4458, 53.9838



22.4874, 21.4458, 7.2107

Square

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



22.6647, 21.4458, 53.9838



29.3263, 21.4458, 17.5977



18.2609, 21.4458, 7.2689



13.4732, 21.4458, 30.2384

Rectangle

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



22.6647, 21.4458, 53.9838



28.7823, 21.4458, 34.4337



18.2609, 21.4458, 7.2689



13.8018, 21.4458, 14.9447

Sweetspot

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



22.6655, 21.4466, 53.9843



73.3907, 76.0280, 103.2766



32.2606, 44.4175, 45.5270



15.4780, 15.9819, 22.5190



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.



22.6655, 21.4466, 53.9843



34.3717, 30.7699, 96.5974



23.1561, 18.0132, 53.2958



9.7217, 10.1346, 12.7286



7.1223, 4.0012, 33.9535



0.3636, 0.2846, 1.4857

Inverse Universe

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



30.8007, 22.6514, 22.1514



51.1314, 34.2176, 30.8006



38.5897, 48.2494, 20.1122



10.1708, 10.1169, 10.9900



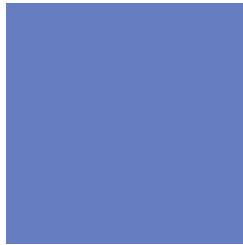
14.9910, 7.6862, 2.5987



0.6759, 0.3434, 0.2608

Previews

White Background



This preview shows how the XYZ color 22.6647, 21.4458, 53.9838 looks on a white background.

Color Contrast Check

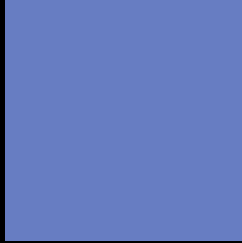
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6647, 21.4458, 53.9838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

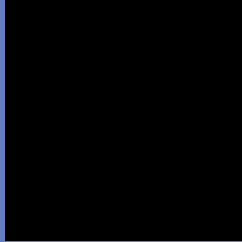
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6647, 21.4458, 53.9838

Background



This preview shows how black text looks on a background with the XYZ color 22.6647, 21.4458, 53.9838.

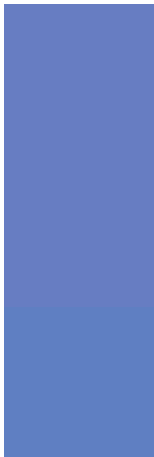


This preview shows how white text looks on a background with the XYZ color 22.6647, 21.4458,

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

22.6647, 21.4458, 53.9838

Protanopia

22.6647, 21.4458, 53.9838

Deuteranopia

22.0463, 21.5067, 54.0282



Tritanopia

17.9721, 21.5271, 30.4020

Trichromacy



Original Color

22.6647, 21.4458, 53.9838

Protanomaly

22.6647, 21.4458, 53.9838

Deuteranomaly

22.2355, 21.4134, 54.0002

Tritanomaly

19.3433, 21.2566, 37.7338

Monochromacy



Original Color

22.6647, 21.4458, 53.9838

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5180, 21.0076, 32.2516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6647, 21.4458, 53.9838 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(103, 125, 194)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 194)  
}
```

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(103, 125, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 194) }
```

Border

The CSS property to change the border of an element to XYZ 22.6647, 21.4458, 53.9838 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(103, 125, 194) }
```


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

```
.border{ border-color:rgb(103, 125, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 125, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 125, 194); box-shadow:4px 4px 4px 4px rgb(103, 125, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6647, 21.4458, 53.9838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 194) }
```

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

```
.background{ background-color: rgb(103,  
125, 194) }
```

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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