

Converting Colors

XYZ(22.2862, 19.6797, 52.8200)

Have a look what the booklet for
XYZ(22.2862, 19.6797, 52.8200)
contains.

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Color

**XYZ(22.3014, 19.6560,
53.0707)**

Conversions

Conversions Part 1

Format	Color
Hex	6E74C1
RGB	110, 116, 193
RGB Percent	43%, 45%, 76%
CMY	0.5686, 0.5451, 0.2431
CMYK	0.43, 0.40, 0.00, 0.24
HSL	236°, 40%, 59%
HSV	236°, 43%, 76%
XYZ	22.3014, 19.6560, 53.0707
YIQ	122.9840, -28.2930, 22.6750

Conversions

Conversions Part 2

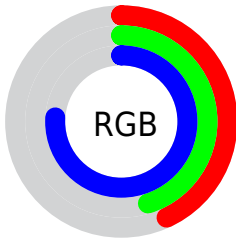
Format	Color
R _Y B	110, 116, 193
Decimal	7238849
CIE Lab	51.45, 17.68, -41.11
CIE LCh	51, 44.749, 293.265
Yxy	19.6560, 0.2347, 0.2068
Android (android.graphics.Color)	4285428929 (0xFF6E74C1)
YUV	122.9840, 34.5179, -11.3870
Hunter-Lab	44.3351, 12.2025, -39.9377

Details

The XYZ color **22.3014, 19.6560, 53.0707** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.5780, 48.0050, 21.7746**, and the grayscale version is **18.7186, 19.6934, 21.4461**.

A 20% lighter version of the original color is **46.7750, 42.9067, 96.2590**, and **8.3582, 6.8391, 25.3056** is the 20% darker color. If you saturate the color by 10%, you get **18.2876, 14.8128, 52.3478**, and if you desaturate by 10%, it is **27.2374, 25.5657, 53.9516**.

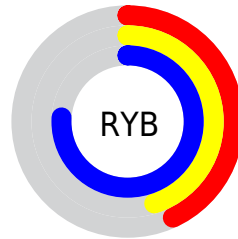
Distribution



Red (43%)

Green (45%)

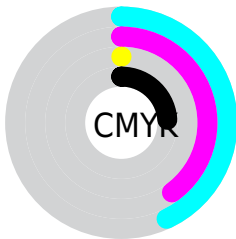
Blue (76%)



Red (43%)

Yellow (45%)

Blue (76%)

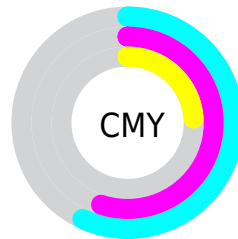


Cyan (43%)

Magenta (40%)

Yellow (0%)

Black (24%)



Cyan (57%)

Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3014, 19.6560, 53.0707 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 22.3014, 19.6560, 53.0707 by changing the saturation by 10% instead.

■ 22.3014, 19.6560,
53.0707

■ 22.3014, 19.6560,
53.0707

256.7191,
250.0467, 415.6303

■ 14.1964, 12.1452,
37.4711

■ 46.7188, 42.8397,
96.1510

■ 8.3400, 6.8427,
25.2738

■ 63.7619, 59.2814,
124.4688

■ 4.3669, 3.3639,
16.0603

■ 84.5150, 79.4689,
157.8630

■ 1.9117, 1.3245,
9.4120

■ 109.3436,
103.7865, 196.7523

■ 0.5836, 0.1601,
4.9104

138.6129,
132.6188, 241.5551

■ 0.0000, 0.0000,
2.1370

172.6884,

■ 0.0000, 0.0000,

166.3499, 292.6900

0.6376

211.9353,
205.3644, 350.5756

■ 0.0000, 0.0000,
0.0000

■ 22.3014, 19.6560,
53.0707

■ 22.3014, 19.6560,
53.0707

■ 18.2876, 14.8128,
52.3478

■ 27.2374, 25.5657,
53.9516

■ 15.1366, 10.9706,
51.7723

■ 33.1457, 32.5982,
54.9976

■ 12.7854, 8.0596,
51.3343

■ 40.0755, 40.8082,
56.2171

■ 11.1616, 6.0003,
51.0224

■ 48.0718, 50.2462,
57.6173

■ 10.1792, 4.6998,
50.8231

■ 57.1772, 60.9599,
59.2054

■ 9.7821, 4.1630,
50.7405

■ 67.4318, 72.9944,
60.9878

■ 78.8737, 86.3925,
62.9708

■ 86.6257, 96.6303,
64.5384

Harmonies

Analogous

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



17.6888, 19.6560, 56.5107



22.3014, 19.6560, 53.0707



26.4843, 19.6560, 39.8423

Triad

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



22.3014, 19.6560, 53.0707



24.3321, 19.6560, 7.0799



11.3578, 19.6560, 18.6332

Complementary

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



22.3014, 19.6560, 53.0707



42.5780, 48.0050, 21.7746

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.



12.5864, 19.6560, 9.7645



22.3014, 19.6560, 53.0707



19.7126, 19.6560, 5.0476

Square

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



22.3014, 19.6560, 53.0707



27.7817, 19.6560, 13.0512



15.4778, 19.6560, 5.7824



11.8247, 19.6560, 32.7196

Rectangle

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



22.3014, 19.6560, 53.0707



28.2219, 19.6560, 29.3339



15.4778, 19.6560, 5.7824



11.5787, 19.6560, 15.0468

Sweetspot

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



22.3022, 19.6567, 53.0712



71.5083, 72.7719, 100.6378



34.3728, 45.0042, 53.3764



14.7149, 14.8714, 21.4802



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.3022, 19.6567, 53.0712



32.8743, 26.6767, 93.7767



26.8062, 20.9850, 53.0902



9.5855, 9.8623, 12.6832



6.5290, 2.8145, 33.7557



0.3026, 0.1627, 1.4653

Inverse Universe

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



30.7213, 23.7511, 19.4888



50.0846, 35.3211, 25.0668



36.0678, 46.5777, 21.8422



10.1021, 10.0894, 10.6281



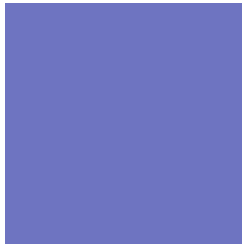
14.6915, 7.5664, 1.0216



0.6451, 0.3311, 0.0987

Previews

White Background



This preview shows how the XYZ color 22.3014, 19.6560, 53.0707 looks on a white background.

Color Contrast Check

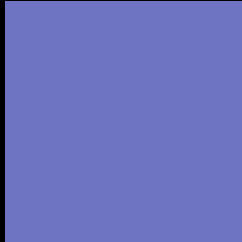
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3014, 19.6560, 53.0707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

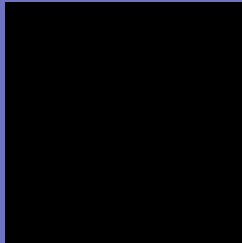
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3014, 19.6560, 53.0707

Background



This preview shows how black text looks on a background with the XYZ color 22.3014, 19.6560, 53.0707.

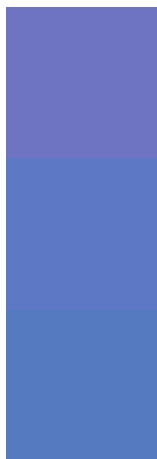


This preview shows how white text looks on a background with the XYZ color 22.3014, 19.6560,

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

22.3014, 19.6560, 53.0707

Protanopia

21.1945, 19.7456, 54.9188

Deuteranopia

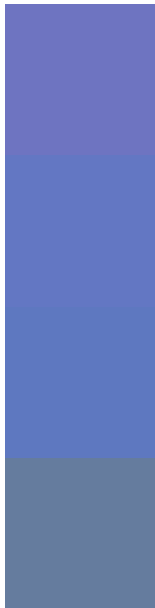
20.2203, 19.6561, 52.5975



Tritanopia

17.1305, 19.7601, 26.9560

Trichromacy



Original Color

22.3014, 19.6560, 53.0707

Protanomaly

21.5927, 19.7864, 54.3109

Deuteranomaly

20.8470, 19.6184, 52.5571

Tritanomaly

18.7460, 19.6506, 35.1527

Monochromacy



Original Color

22.3014, 19.6560, 53.0707

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.5330, 19.4226, 30.7364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3014, 19.6560, 53.0707 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(110, 116, 193)` looks like.

```
.text, #text, p{  
    color:rgb(110, 116, 193)  
}
```

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(110, 116, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 116, 193) }
```

Border

The CSS property to change the border of an element to XYZ 22.3014, 19.6560, 53.0707 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(110, 116, 193) }
```


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

```
.border{ border-color:rgb(110, 116, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 116, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 116, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 116, 193);  
box-shadow:4px 4px 4px 4px rgb(110, 116,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3014, 19.6560, 53.0707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 116, 193) }
```

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

```
.background{ background-color: rgb(110,  
116, 193) }
```

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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