

Converting Colors

XYZ(22.5749, 21.0913, 51.0253)

Have a look what the booklet for
XYZ(22.5749, 21.0913, 51.0253)
contains.

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Color

**XYZ(22.5749, 21.0913,
51.0253)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6D7BBD |
| RGB | 109, 123, 189 |
| RGB Percent | 43%, 48%, 74% |
| CMY | 0.5725, 0.5176, 0.2588 |
| CMYK | 0.42, 0.35, 0.00, 0.26 |
| HSL | 229°, 38%, 58% |
| HSV | 229°, 42%, 74% |
| XYZ | 22.5749, 21.0913, 51.0253 |
| YIQ | 126.3380, -29.5300, 17.5580 |

Conversions

Conversions Part 2

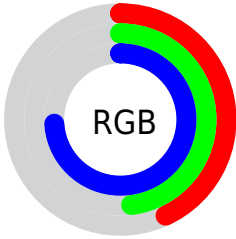
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 109, 121, 189 |
| Decimal | 7175101 |
| CIE Lab | 53.05, 12.02, -36.30 |
| CIE LCh | 53, 38.236, 288.323 |
| Yxy | 21.0913, 0.2384, 0.2227 |
| Android (android.graphics.Color) | 4285365181 (0xFF6D7BBD) |
| YUV | 126.3380, 30.8924, -15.2054 |
| Hunter-Lab | 45.9253, 7.3738, -33.7265 |

Details

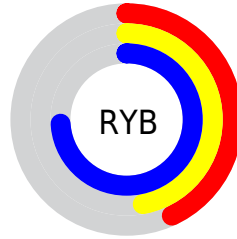
The XYZ color **22.5749, 21.0913, 51.0253** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.0771, 42.5834, 20.6286**, and the grayscale version is **19.8521, 20.8860, 22.7449**.

A 20% lighter version of the original color is **47.2744, 45.2063, 93.4228**, and **8.4648, 7.5936, 23.9412** is the 20% darker color. If you saturate the color by 10%, you get **18.7124, 16.4540, 50.3342**, and if you desaturate by 10%, it is **27.2470, 26.6040, 51.8435**.

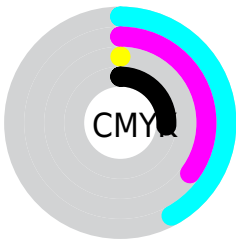
Distribution



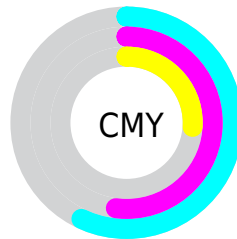
- Red (43%)
- Green (48%)
- Blue (74%)



- Red (43%)
- Yellow (47%)
- Blue (74%)



- Cyan (42%)
- Magenta (35%)
- Yellow (0%)
- Black (26%)



- Cyan (57%)
- Magenta (52%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5749, 21.0913, 51.0253 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 22.5749, 21.0913, 51.0253 by changing the saturation by 10% instead.

■ 22.5749, 21.0913,
51.0253

■ 22.5749, 21.0913,
51.0253

258.1103,
257.7633, 407.5114

■ 14.3989, 13.1908,
35.8519

■ 47.1662, 45.2394,
93.1041

■ 8.4822, 7.5600,
24.0310

■ 64.3122, 62.2558,
120.8465

■ 4.4594, 3.8147,
15.1442

■ 85.1789, 83.0796,
153.6156

■ 1.9652, 1.5705,
8.7729

■ 110.1316,
108.0952, 191.8301

■ 0.6143, 0.3376,
4.4986

139.5358,
137.6869, 235.9083

■ 0.0000, 0.0000,
1.9027

173.7567,

■ 0.0000, 0.0000,

172.2393, 286.2689

0.4944

213.1598,
212.1366, 343.3305

■ 0.0000, 0.0000,
0.0000

■ 22.5749, 21.0913,
51.0253

■ 22.5749, 21.0913,
51.0253

■ 18.7124, 16.4540,
50.3342

■ 27.2470, 26.6040,
51.8435

■ 15.6102, 12.6441,
49.7623

■ 32.7693, 33.0322,
52.7932

■ 13.2171, 9.6122,
49.3032

■ 39.1826, 40.4162,
53.8805

■ 11.4747, 7.3025,
48.9492

■ 46.5244, 48.7932,
55.1104

■ 10.3143, 5.6514,
48.6917

■ 54.8298, 58.1985,
56.4881

■ 9.7313, 4.7660,
48.5515

■ 64.1323, 68.6655,
58.0181

■ 74.4636, 80.2262,
59.7051

■ 83.9138, 91.9110,
61.4624

■ 86.1854, 96.4542,
62.2196

Harmonies

Analogous

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



18.5232, 21.0913, 52.1640



22.5749, 21.0913, 51.0253



26.3887, 21.0913, 41.0437

Triad

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



22.5749, 21.0913, 51.0253



25.6354, 21.0913, 10.0856



13.3924, 21.0913, 18.7711

Complementary

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



22.5749, 21.0913, 51.0253



39.0771, 42.5834, 20.6286

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.



14.8120, 21.0913, 11.1702



22.5749, 21.0913, 51.0253



21.6514, 21.0913, 7.3967

Square

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



22.5749, 21.0913, 51.0253



28.3119, 21.0913, 16.6875



17.7146, 21.0913, 7.7130



13.5703, 21.0913, 30.6468

Rectangle

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



22.5749, 21.0913, 51.0253



28.1176, 21.0913, 32.1461



17.7146, 21.0913, 7.7130



13.6899, 21.0913, 15.7228

Sweetspot

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



22.5757, 21.0921, 51.0258



69.0975, 71.1490, 96.3175



32.1774, 42.7159, 46.7646



14.2893, 14.6460, 20.6164



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.5757, 21.0921, 51.0258



33.8333, 29.8567, 90.2059



24.5394, 19.7080, 50.6552



9.1479, 9.4881, 12.0214



6.5876, 3.2869, 32.6801



0.3002, 0.2131, 1.2942

Inverse Universe

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



30.0307, 23.1869, 21.6324



49.1647, 34.7449, 29.6279



36.1996, 45.3569, 21.3156



9.5965, 9.5629, 10.2642



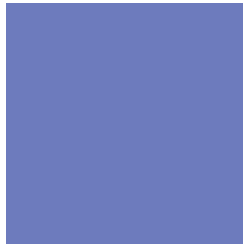
14.3259, 7.3615, 1.7437



0.5824, 0.2969, 0.1804

Previews

White Background



This preview shows how the XYZ color 22.5749, 21.0913, 51.0253 looks on a white background.

Color Contrast Check

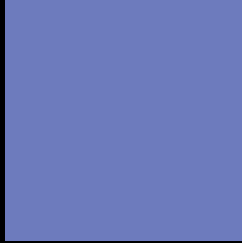
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5749, 21.0913, 51.0253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

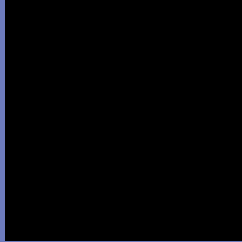
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5749, 21.0913, 51.0253

Background



This preview shows how black text looks on a background with the XYZ color 22.5749, 21.0913, 51.0253.



This preview shows how white text looks on a background with the XYZ color 22.5749, 21.0913,

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

22.5749, 21.0913, 51.0253

Protanopia

22.2108, 21.0761, 51.6126

Deuteranopia

21.6835, 21.2052, 50.5271



Tritanopia

18.1390, 21.0271, 29.0892

Trichromacy



Original Color

22.5749, 21.0913, 51.0253

Protanomaly

22.4458, 21.1972, 51.6236

Deuteranomaly

22.0042, 21.1816, 50.5057

Tritanomaly

19.5622, 21.0053, 36.2811

Monochromacy



Original Color

22.5749, 21.0913, 51.0253

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5042, 20.8302, 31.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5749, 21.0913, 51.0253 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(109, 123, 189)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 189)  
}
```

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(109, 123, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 189) }
```

Border

The CSS property to change the border of an element to XYZ 22.5749, 21.0913, 51.0253 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(109, 123, 189) }
```


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

```
.border{ border-color:rgb(109, 123, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 123, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 123, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 123, 189); box-shadow:4px 4px 4px 4px rgb(109, 123, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5749, 21.0913, 51.0253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 189) }
```

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

```
.background{ background-color: rgb(109,  
123, 189) }
```

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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