

Converting Colors

XYZ(22.9649, 20.2381, 57.9543)

Have a look what the booklet for
XYZ(22.9649, 20.2381, 57.9543)
contains.

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Color

**XYZ(22.9649, 20.2381,
57.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	6A76C9
RGB	106, 118, 201
RGB Percent	42%, 46%, 79%
CMY	0.5843, 0.5372, 0.2118
CMYK	0.47, 0.41, 0.00, 0.21
HSL	232°, 47%, 60%
HSV	232°, 47%, 79%
XYZ	22.9649, 20.2381, 57.9543
YIQ	123.8740, -33.7950, 23.2690

Conversions

Conversions Part 2

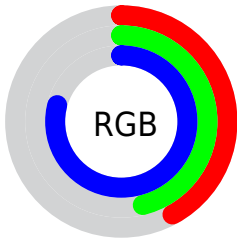
Format	Color
R _Y B	106, 117, 201
Decimal	6977225
CIE Lab	52.11, 17.86, -44.66
CIE LCh	52, 48.100, 291.799
Yxy	20.2381, 0.2270, 0.2001
Android (android.graphics.Color)	4285167305 (0xFF6A76C9)
YUV	123.8740, 38.0231, -15.6755
Hunter-Lab	44.9868, 12.3940, -44.8897

Details

The XYZ color **22.9649, 20.2381, 57.9543** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.8875, 49.8547, 20.8939**, and the grayscale version is **19.0025, 19.9921, 21.7714**.

A 20% lighter version of the original color is **47.3250, 43.6508, 100.5389**, and **8.6451, 7.1086, 28.1106** is the 20% darker color. If you saturate the color by 10%, you get **18.9711, 15.3900, 57.2294**, and if you desaturate by 10%, it is **27.9050, 26.1462, 58.8347**.

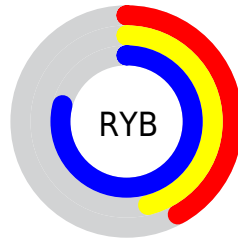
Distribution



Red (42%)

Green (46%)

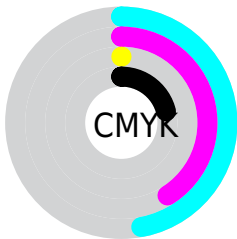
Blue (79%)



Red (42%)

Yellow (46%)

Blue (79%)

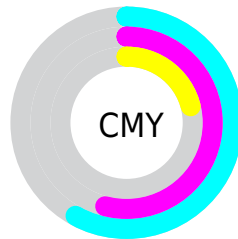


Cyan (47%)

Magenta (41%)

Yellow (0%)

Black (21%)



Cyan (58%)

Magenta (54%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9649, 20.2381, 57.9543 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 22.9649, 20.2381, 57.9543 by changing the saturation by 10% instead.

■ 22.9649, 20.2381,
57.9543

■ 22.9649, 20.2381,
57.9543

260.0834,
253.2012, 434.6091

■ 14.6881, 12.5682,
41.3575

■ 47.8028, 43.8160,
103.3704

■ 8.6857, 7.1319,
28.2767

■ 65.0946, 60.4929,
133.0268

■ 4.5922, 3.5447,
18.2935

■ 86.1221, 80.9408,
167.8734

■ 2.0423, 1.4223,
10.9893

■ 111.2508,
105.5443, 208.3288

■ 0.6576, 0.2331,
5.9455

140.8459,
134.6877, 254.8115

■ 0.0000, 0.0000,
2.7437

175.2728,

■ 0.0000, 0.0000,

168.7553, 307.7401

0.9653

214.8968,
208.1317, 367.5332

■ 0.0000, 0.0000,
0.0000

■ 22.9649, 20.2381,
57.9543

■ 22.9649, 20.2381,
57.9543

■ 18.9711, 15.3900,
57.2294

■ 27.9050, 26.1462,
58.8347

■ 15.8603, 11.5365,
56.6496

■ 33.8448, 33.1702,
59.8774

■ 13.5647, 8.6082,
56.2054

■ 40.8362, 41.3645,
61.0906

■ 12.0056, 6.5255,
55.8855

■ 48.9270, 50.7793,
62.4814

■ 11.0808, 5.1910,
55.6767

■ 58.1620, 61.4621,
64.0566

■ 10.8986, 4.9289,
55.6357

■ 68.5835, 73.4575,
65.8227

■ 80.2316, 86.8081,
67.7857

■ 87.5427, 96.9971,
69.3671

Harmonies

Analogous

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



17.9182, 20.2381, 61.1738



22.9649, 20.2381, 57.9543



27.6640, 20.2381, 43.3831

Triad

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



22.9649, 20.2381, 57.9543



25.6957, 20.2381, 6.8708



11.3127, 20.2381, 18.3942

Complementary

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



22.9649, 20.2381, 57.9543



44.8875, 49.8547, 20.8939

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.



12.7210, 20.2381, 9.1733



22.9649, 20.2381, 57.9543



20.6163, 20.2381, 4.6315

Square

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



22.9649, 20.2381, 57.9543



29.4183, 20.2381, 13.4321



15.9338, 20.2381, 5.2432



11.7243, 20.2381, 33.6989

Rectangle

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



22.9649, 20.2381, 57.9543



29.6886, 20.2381, 31.6228



15.9338, 20.2381, 5.2432



11.5790, 20.2381, 14.6135

Sweetspot

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



22.9657, 20.2388, 57.9548



73.9581, 75.5352, 105.2895



35.9444, 48.4833, 55.2299



15.2086, 15.4430, 22.4292



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.



22.9657, 20.2388, 57.9548



32.1571, 25.9528, 97.9223



26.6538, 20.1744, 57.7480



10.1629, 10.4998, 13.4085



6.8899, 3.1737, 34.9938



0.3628, 0.2234, 1.6691

Inverse Universe

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



32.5122, 24.0346, 20.0657



50.6750, 33.8952, 24.2961



39.2498, 50.9395, 21.4004



10.6875, 10.6584, 11.3375



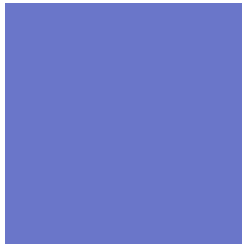
15.2770, 7.8604, 1.4027



0.7418, 0.3796, 0.1636

Previews

White Background



This preview shows how the XYZ color 22.9649, 20.2381, 57.9543 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 22.9649, 20.2381, 57.9543 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 22.9649, 20.2381, 57.9543

Background



This preview shows how black text looks on a background with the XYZ color 22.9649, 20.2381, 57.9543.

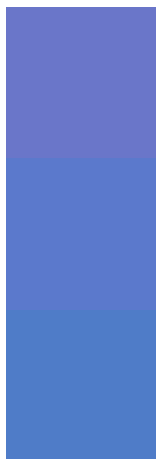


This preview shows how white text looks on a background with the XYZ color 22.9649, 20.2381,

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

22.9649, 20.2381, 57.9543

Protanopia

22.0508, 20.2585, 59.8748

Deuteranopia

20.8574, 20.2477, 57.4525



Tritanopia

17.0438, 20.2795, 28.2153

Trichromacy



Original Color

22.9649, 20.2381, 57.9543

Protanomaly

22.3198, 20.2315, 59.2286

Deuteranomaly

21.5047, 20.2130, 57.4117

Tritanomaly

18.7910, 19.9989, 37.5201

Monochromacy



Original Color

22.9649, 20.2381, 57.9543

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.9631, 19.9680, 32.5078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9649, 20.2381, 57.9543 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, 118, 201)` looks like.

```
.text, #text, p{  
    color:rgb(106, 118, 201)  
}
```

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, 118, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 118, 201) }
```

Border

The CSS property to change the border of an element to XYZ 22.9649, 20.2381, 57.9543 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, 118, 201) }
```


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

```
.border{ border-color:rgb(106, 118, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 118, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 118, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 118, 201);  
box-shadow:4px 4px 4px 4px rgb(106, 118,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9649, 20.2381, 57.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 118, 201) }
```

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

```
.background{ background-color: rgb(106,  
118, 201) }
```

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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