

Converting Colors

XYZ(22.7151, 24.0464, 51.0211)

Have a look what the booklet for
XYZ(22.7151, 24.0464, 51.0211)
contains.

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Color

**XYZ(22.6389, 23.9018,
50.9973)**

Conversions

Conversions Part 1

Format	Color
Hex	5E89BC
RGB	94, 137, 188
RGB Percent	37%, 54%, 74%
CMY	0.6314, 0.4627, 0.2627
CMYK	0.50, 0.27, 0.00, 0.26
HSL	213°, 41%, 55%
HSV	213°, 50%, 74%
XYZ	22.6389, 23.9018, 50.9973
YIQ	129.9570, -41.9990, 6.7450

Conversions

Conversions Part 2

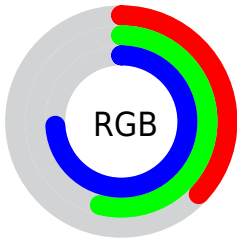
Format	Color
R _Y B	94, 124, 188
Decimal	6195644
CIE Lab	55.99, -0.36, -31.20
CIE LCh	56, 31.202, 269.338
Yxy	23.9018, 0.2321, 0.2451
Android (android.graphics.Color)	4284385724 (0xFF5E89BC)
YUV	129.9570, 28.6152, -31.5343
Hunter-Lab	48.8895, -2.8998, -27.6236

Details

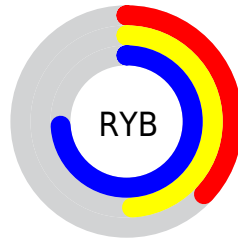
The XYZ color **22.6389, 23.9018, 50.9973** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.8859, 31.7518, 14.9863**, and the grayscale version is **21.1164, 22.2161, 24.1933**.

A 20% lighter version of the original color is **47.1370, 49.7481, 92.7059**, and **8.4388, 8.9127, 23.8298** is the 20% darker color. If you saturate the color by 10%, you get **19.5587, 20.2625, 50.4577**, and if you desaturate by 10%, it is **26.3274, 28.0590, 51.6058**.

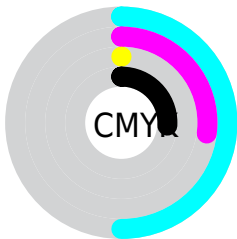
Distribution



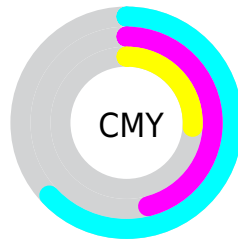
- Red (37%)
- Green (54%)
- Blue (74%)



- Red (37%)
- Yellow (49%)
- Blue (74%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (26%)



- Cyan (63%)
- Magenta (46%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6389, 23.9018, 50.9973 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 22.6389, 23.9018, 50.9973 by changing the saturation by 10% instead.

■ 22.6389, 23.9018,
50.9973

■ 22.6389, 23.9018,
50.9973

258.4350,
272.3236, 407.3995

■ 14.4463, 15.2608,
35.8297

■ 47.2708, 49.8699,
93.0622

■ 8.5155, 9.0026,
24.0141

■ 64.4407, 67.9658,
120.7967

■ 4.4811, 4.7429,
15.1318

■ 85.3339, 89.9821,
153.5572

■ 1.9777, 2.0972,
8.7643

■ 110.3156,
116.3032, 191.7624

■ 0.6214, 0.6631,
4.4930

139.7512,
147.3135, 235.8306

■ 0.0000, 0.0000,
1.8995

174.0061,

■ 0.0000, 0.0000,

183.3974, 286.1805

0.4924

213.4455,
224.9393, 343.2307

■ 0.0000, 0.0000,
0.0000

■ 22.6389, 23.9018,
50.9973

■ 22.6389, 23.9018,
50.9973

■ 19.5587, 20.2625,
50.4577

■ 26.3274, 28.0590,
51.6058

■ 17.0457, 17.1132,
49.9822

■ 30.6565, 32.7550,
52.2840

■ 15.0575, 14.4264,
49.5684

■ 35.6590, 38.0123,
53.0351

■ 13.5432, 12.1698,
49.2126

■ 41.3647, 43.8511,
53.8614

■ 12.4051, 10.2865,
48.9091

■ 47.8016, 50.2909,
54.7651

■ 12.4048, 10.2861,
48.9091

■ 54.9957, 57.3497,
55.7485

■ 62.9722, 65.0450,
56.8134

■ 71.7548, 73.3935,
57.9619

■ 78.2825, 80.8215,
59.0516

Harmonies

Analogous

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



19.3992, 23.9018, 46.8219



22.6389, 23.9018, 50.9973



26.2439, 23.9018, 47.1580

Triad

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



22.6389, 23.9018, 50.9973



29.2311, 23.9018, 17.5443



17.3181, 23.9018, 17.2442

Complementary

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



22.6389, 23.9018, 50.9973



32.8859, 31.7518, 14.9863

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.



19.5228, 23.9018, 12.3909



22.6389, 23.9018, 50.9973



26.3951, 23.9018, 12.5296

Square

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



22.6389, 23.9018, 50.9973



30.2828, 23.9018, 26.2523



22.7972, 23.9018, 10.9193



16.5312, 23.9018, 25.7990

Rectangle

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



22.6389, 23.9018, 50.9973



28.3232, 23.9018, 41.0229



22.7972, 23.9018, 10.9193



17.9058, 23.9018, 15.2167

Sweetspot

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



22.6397, 23.9027, 50.9979



69.3778, 73.7858, 96.8117



27.6445, 40.3645, 32.7743



14.4582, 15.3938, 20.7518



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.



22.6397, 23.9027, 50.9979



34.9538, 36.1217, 91.3561



18.0249, 14.1862, 49.3656



9.3663, 9.9250, 12.0943



8.5183, 7.1483, 33.3237



0.3991, 0.4108, 1.3271

Inverse Universe

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



29.2579, 20.5040, 26.0832



48.7480, 30.8175, 39.0278



39.9797, 47.0729, 17.5697



9.7068, 9.6070, 10.8448



15.3004, 7.7513, 6.8755



0.6323, 0.3168, 0.4432

Previews

White Background



This preview shows how the XYZ color 22.6389, 23.9018, 50.9973 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 22.6389, 23.9018, 50.9973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

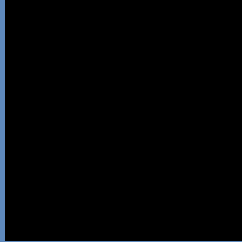
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6389, 23.9018, 50.9973

Background



This preview shows how black text looks on a background with the XYZ color 22.6389, 23.9018, 50.9973.



This preview shows how white text looks on a background with the XYZ color 22.6389, 23.9018,

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

22.6389, 23.9018, 50.9973

Protanopia

24.3742, 23.8148, 48.6595

Deuteranopia

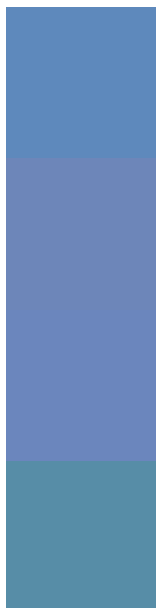
24.3760, 23.7541, 51.4444



Tritanopia

19.3061, 23.8505, 34.5964

Trichromacy



Original Color

22.6389, 23.9018, 50.9973

Protanomaly

23.5887, 23.8042, 49.2503

Deuteranomaly

23.7738, 23.8501, 51.4946

Tritanomaly

20.4304, 23.8660, 40.0890

Monochromacy



Original Color

22.6389, 23.9018, 50.9973

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3096, 22.7913, 32.5542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6389, 23.9018, 50.9973 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(94, 137, 188)` looks like.

```
.text, #text, p{  
    color:rgb(94, 137, 188)  
}
```

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(94, 137, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 137, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.6389, 23.9018, 50.9973 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(94, 137, 188) }
```


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

```
.border{ border-color:rgb(94, 137, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 137, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 137, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 137, 188);  
box-shadow:4px 4px 4px 4px rgb(94, 137,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6389, 23.9018, 50.9973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 137, 188) }
```

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

```
.background{ background-color: rgb(94, 137,  
188) }
```

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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