

Converting Colors

XYZ(22.8276, 21.6555, 59.2856)

Have a look what the booklet for
XYZ(22.8276, 21.6555, 59.2856)
contains.

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Color

**XYZ(22.8564, 21.6132,
59.4670)**

Conversions

Conversions Part 1

Format	Color
Hex	5E7ECB
RGB	94, 126, 203
RGB Percent	37%, 49%, 80%
CMY	0.6314, 0.5059, 0.2039
CMYK	0.54, 0.38, 0.00, 0.20
HSL	222°, 51%, 58%
HSV	222°, 54%, 80%
XYZ	22.8564, 21.6132, 59.4670
YIQ	125.2100, -43.7890, 17.1630

Conversions

Conversions Part 2

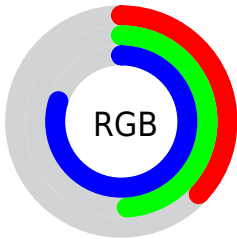
Format	Color
R _Y B	94, 119, 203
Decimal	6192843
CIE Lab	53.61, 10.87, -43.46
CIE LCh	54, 44.795, 284.039
Yxy	21.6132, 0.2199, 0.2079
Android (android.graphics.Color)	4284382923 (0xFF5E7ECB)
YUV	125.2100, 38.3505, -27.3712
Hunter-Lab	46.4900, 6.4005, -43.2969

Details

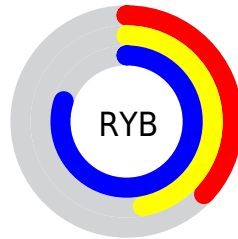
The XYZ color **22.8564, 21.6132, 59.4670** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **41.2129, 42.6320, 16.6474**, and the grayscale version is **19.4499, 20.4628, 22.2840**.

A 20% lighter version of the original color is **46.7329, 45.6401, 100.9541**, and **8.6348, 7.8782, 29.0825** is the 20% darker color. If you saturate the color by 10%, you get **19.3378, 17.2697, 58.8145**, and if you desaturate by 10%, it is **27.1869, 26.7661, 60.2338**.

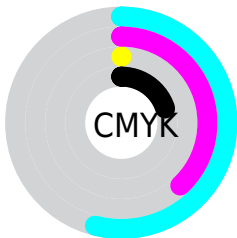
Distribution



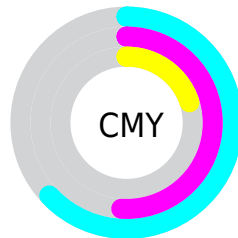
- Red (37%)
- Green (49%)
- Blue (80%)



- Red (37%)
- Yellow (47%)
- Blue (80%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)



- Cyan (63%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8564, 21.6132, 59.4670 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 22.8564, 21.6132, 59.4670 by changing the saturation by 10% instead.

■ 22.8564, 21.6132,
59.4670

■ 22.8564, 21.6132,
59.4670

259.5357,
260.5196, 440.3803

■ 14.6076, 13.5730,
42.5667

■ 47.6258, 46.1059,
105.5919

■ 8.6290, 7.8243,
29.2164

■ 64.8772, 63.3271,
135.6535

■ 4.5551, 3.9827,
18.9976

■ 85.8601, 84.3774,
170.9394

■ 2.0207, 1.6639,
11.4917

■ 110.9400,
109.6413, 211.8679

■ 0.6456, 0.4001,
6.2803

140.4821,
139.5030, 258.8578

■ 0.0000, 0.0000,
2.9447

174.8518,

■ 0.0000, 0.0000,

174.3470, 312.3274

1.0665

214.4146,
214.5578, 372.6954

■ 0.0000, 0.0000,
0.0000

■ 22.8564, 21.6132,
59.4670

■ 22.8564, 21.6132,
59.4670

■ 19.3378, 17.2697,
58.8145

■ 27.1869, 26.7661,
60.2338

■ 16.5735, 13.6885,
58.2690

■ 32.3765, 32.7674,
61.1187

■ 14.5018, 10.8203,
57.8245

■ 38.4713, 39.6558,
62.1270

■ 13.0487, 8.6079,
57.4741

■ 45.5136, 47.4671,
63.2636

■ 12.3742, 7.5011,
57.2960

■ 53.5428, 56.2349,
64.5328

■ 62.5959, 65.9911,
65.9387

■ 72.7082, 76.7660,
67.4855

■ 83.3943, 88.3213,
69.1527

■ 87.7796, 97.0918,
70.6145

Harmonies

Analogous

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



18.1153, 21.6132, 59.0438



22.8564, 21.6132, 59.4670



27.6250, 21.6132, 48.0105

Triad

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



22.8564, 21.6132, 59.4670



27.8916, 21.6132, 9.5577



12.9060, 21.6132, 17.0059

Complementary

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



22.8564, 21.6132, 59.4670



41.2129, 42.6320, 16.6474

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.



14.7879, 21.6132, 9.2192



22.8564, 21.6132, 59.4670



23.1778, 21.6132, 6.2030

Square

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



22.8564, 21.6132, 59.4670



30.8232, 21.6132, 17.7024



18.3907, 21.6132, 6.1094



12.8475, 21.6132, 30.5213

Rectangle

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



22.8564, 21.6132, 59.4670



29.9746, 21.6132, 37.0544



18.3907, 21.6132, 6.1094



13.3314, 21.6132, 13.7806

Sweetspot

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



22.8572, 21.6139, 59.4675



73.0846, 76.0355, 105.4321



33.2570, 48.0058, 45.6933



15.1063, 15.6807, 22.4804



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.



22.8572, 21.6139, 59.4675



31.7794, 28.1564, 98.3675



21.9591, 16.0176, 58.4347



10.8657, 11.3717, 14.1927



7.9441, 4.9121, 36.4857



0.4762, 0.3862, 1.9044

Inverse Universe

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



32.3979, 22.2092, 22.3185



49.7621, 30.7646, 28.0142



42.4800, 53.3686, 18.6530



11.3456, 11.2670, 12.3543



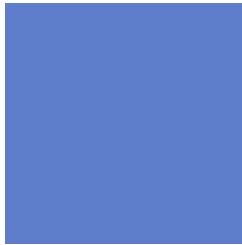
16.2207, 8.2989, 3.6150



0.8703, 0.4415, 0.3630

Previews

White Background



This preview shows how the XYZ color 22.8564, 21.6132, 59.4670 looks on a white background.

Color Contrast Check

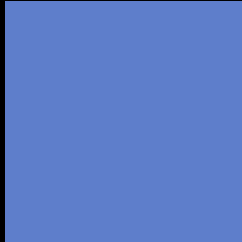
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8564, 21.6132, 59.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

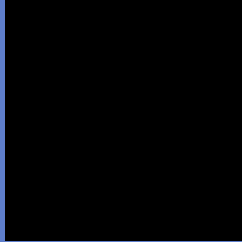
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8564, 21.6132, 59.4670

Background



This preview shows how black text looks on a background with the XYZ color 22.8564, 21.6132, 59.4670.

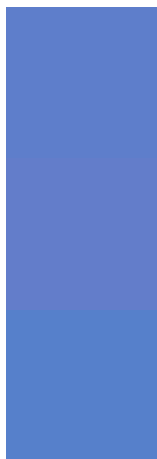


This preview shows how white text looks on a background with the XYZ color 22.8564, 21.6132,

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

22.8564, 21.6132, 59.4670

Protanopia

23.1399, 21.5841, 58.8237

Deuteranopia

22.3364, 21.7286, 59.5167



Tritanopia

17.1926, 21.5253, 31.2656

Trichromacy



Original Color

22.8564, 21.6132, 59.4670

Protanomaly

22.9241, 21.4729, 58.8136

Deuteranomaly

22.4887, 21.6144, 59.4866

Tritanomaly

18.9351, 21.3960, 40.1777

Monochromacy



Original Color

22.8564, 21.6132, 59.4670

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0228, 20.5445, 33.0472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8564, 21.6132, 59.4670 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, 126, 203)` looks like.

```
.text, #text, p{  
    color:rgb(94, 126, 203)  
}
```

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, 126, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 126, 203) }
```

Border

The CSS property to change the border of an element to XYZ 22.8564, 21.6132, 59.4670 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, 126, 203) }
```


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

```
.border{ border-color:rgb(94, 126, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 126, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 126, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 126, 203);  
box-shadow:4px 4px 4px 4px rgb(94, 126,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8564, 21.6132, 59.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 126, 203) }
```

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

```
.background{ background-color: rgb(94, 126,  
203) }
```

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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