

Converting Colors

XYZ(24.6584, 22.9032, 55.1825)

Have a look what the booklet for
XYZ(24.6584, 22.9032, 55.1825)
contains.

XYZ(24.6234, 22.8091, 55.3294)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6234, 22.8091,
55.3294)**

Conversions

Conversions Part 1

Format	Color
Hex	737FC4
RGB	115, 127, 196
RGB Percent	45%, 50%, 77%
CMY	0.5490, 0.5020, 0.2314
CMYK	0.41, 0.35, 0.00, 0.23
HSL	231°, 41%, 61%
HSV	231°, 41%, 77%
XYZ	24.6234, 22.8091, 55.3294
YIQ	131.2780, -29.3010, 18.9150

Conversions

Conversions Part 2

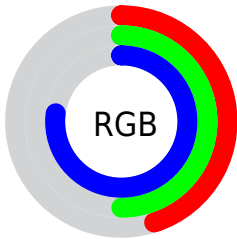
Format	Color
R _Y B	115, 125, 196
Decimal	7569348
CIE Lab	54.88, 13.25, -37.40
CIE LCh	55, 39.676, 289.503
Yxy	22.8091, 0.2396, 0.2220
Android (android.graphics.Color)	4285759428 (0xFF737FC4)
YUV	131.2780, 31.9079, -14.2758
Hunter-Lab	47.7589, 8.4526, -35.2572

Details

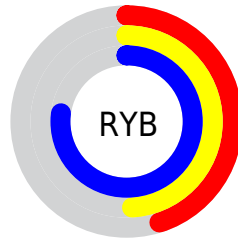
The XYZ color **24.6234, 22.8091, 55.3294** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **43.0008, 47.2556, 23.0755**, and the grayscale version is **21.5704, 22.6937, 24.7135**.

A 20% lighter version of the original color is **50.6284, 48.2804, 99.5792**, and **9.5313, 8.3939, 26.7090** is the 20% darker color. If you saturate the color by 10%, you get **20.3342, 17.6580, 54.5616**, and if you desaturate by 10%, it is **29.8196, 28.9590, 56.2430**.

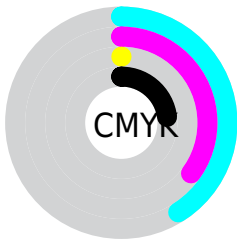
Distribution



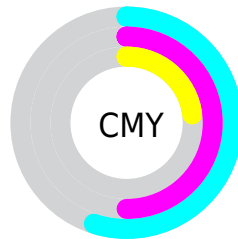
- Red (45%)
- Green (50%)
- Blue (77%)



- Red (45%)
- Yellow (49%)
- Blue (77%)



- Cyan (41%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (55%)
- Magenta (50%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6234, 22.8091, 55.3294 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 24.6234, 22.8091, 55.3294 by changing the saturation by 10% instead.

■ 24.6234, 22.8091,
55.3294

■ 24.6234, 22.8091,
55.3294

268.3396,
266.7430, 424.4764

■ 15.9239, 14.4526,
39.2651

■ 50.4929, 48.0797,
99.4994

■ 9.5608, 8.4361,
26.6566

■ 68.3937, 65.7626,
128.4422

■ 5.1688, 4.3753,
17.0854

■ 90.0922, 87.3230,
162.5149

■ 2.3824, 1.8856,
10.1328

115.9540,
113.1455, 202.1361

■ 0.8363, 0.5397,
5.3803

146.3442,
143.6143, 247.7244

■ 0.0000, 0.0000,
2.4095

181.6283,

■ 0.0000, 0.0000,

179.1139, 299.6981

0.7916

222.1717,
220.0287, 358.4760

■ 0.0000, 0.0000,
0.0000

■ 24.6234, 22.8091,
55.3294

■ 24.6234, 22.8091,
55.3294

■ 20.3342, 17.6580,
54.5616

■ 29.8196, 28.9590,
56.2430

■ 16.8968, 13.4501,
53.9306

■ 35.9686, 36.1545,
57.3078

■ 14.2539, 10.1277,
53.4286

■ 43.1160, 44.4423,
58.5308

■ 12.3399, 7.6260,
53.0466

■ 51.3040, 53.8656,
59.9181

■ 11.0780, 5.8705,
52.7743

■ 60.5721, 64.4653,
61.4756

■ 10.4041, 4.8660,
52.6159

■ 70.9578, 76.2802,
63.2087

■ 82.4967, 89.3472,
65.1227

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



20.1766, 22.8091, 57.0233



24.6234, 22.8091, 55.3294



28.7579, 22.8091, 44.0905

Triad

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



24.6234, 22.8091, 55.3294



27.6405, 22.8091, 10.6076



14.3894, 22.8091, 20.6835

Complementary

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



24.6234, 22.8091, 55.3294



43.0008, 47.2556, 23.0755

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.



15.8696, 22.8091, 12.2050



24.6234, 22.8091, 55.3294



23.2550, 22.8091, 7.8347

Square

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



24.6234, 22.8091, 55.3294



30.6561, 22.8091, 17.6028



18.9799, 22.8091, 8.2992



14.6522, 22.8091, 33.8186

Rectangle

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



24.6234, 22.8091, 55.3294



30.5930, 22.8091, 34.3056



18.9799, 22.8091, 8.2992



14.6908, 22.8091, 17.2910

Sweetspot

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



24.6242, 22.8099, 55.3299



76.9154, 79.1328, 105.8280



35.4469, 46.5797, 52.3882



16.0771, 16.4914, 22.5857



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.



24.6242, 22.8099, 55.3299



37.2158, 32.4480, 98.9093



27.4838, 22.1190, 55.0459



9.6461, 9.9835, 12.7034



6.7247, 3.2059, 33.8210



0.3299, 0.2173, 1.4744

Inverse Universe

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



32.7272, 25.5305, 23.2824



54.1126, 38.6556, 31.9617



38.9092, 49.0048, 23.6288



10.1327, 10.1017, 10.7891



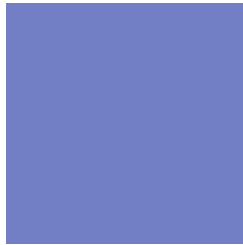
14.7903, 7.6059, 1.5417



0.6589, 0.3366, 0.1713

Previews

White Background



This preview shows how the XYZ color 24.6234, 22.8091, 55.3294 looks on a white background.

Color Contrast Check

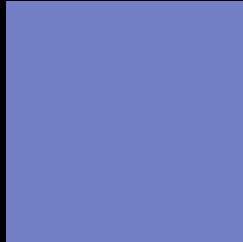
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6234, 22.8091, 55.3294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

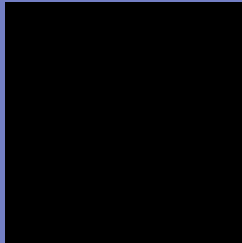
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.6234, 22.8091, 55.3294

Background



This preview shows how black text looks on a background with the XYZ color 24.6234, 22.8091, 55.3294.

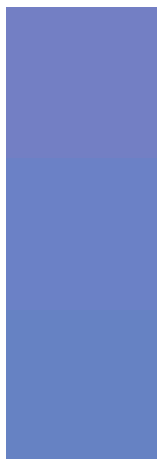


This preview shows how white text looks on a background with the XYZ color 24.6234, 22.8091,

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

24.6234, 22.8091, 55.3294

Protanopia

24.1067, 22.9035, 56.5763

Deuteranopia

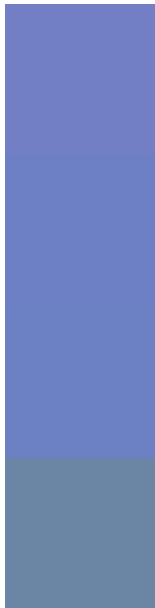
23.3124, 22.7302, 54.7884



Tritanopia

19.8845, 22.9130, 31.3916

Trichromacy



Original Color

24.6234, 22.8091, 55.3294

Protanomaly

24.2276, 22.7846, 55.9442

Deuteranomaly

23.7640, 22.7664, 54.7716

Tritanomaly

21.2425, 22.6175, 38.8433

Monochromacy



Original Color

24.6234, 22.8091, 55.3294

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3565, 22.6918, 34.2120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6234, 22.8091, 55.3294 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(115, 127, 196)` looks like.

```
.text, #text, p{  
    color:rgb(115, 127, 196)  
}
```

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(115, 127, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 127, 196) }
```

Border

The CSS property to change the border of an element to XYZ 24.6234, 22.8091, 55.3294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

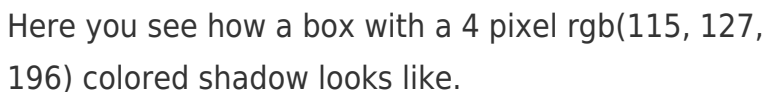
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 127, 196) }
```


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

```
.border{ border-color:rgb(115, 127, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 127, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 127, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 127, 196); box-shadow:4px 4px 4px 4px rgb(115, 127, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6234, 22.8091, 55.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 127, 196) }
```

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

```
.background{ background-color: rgb(115,  
127, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor