

Converting Colors

XYZ(22.7142, 14.9638, 60.4348)

Have a look what the booklet for
XYZ(22.7142, 14.9638, 60.4348)
contains.

XYZ(22.8132, 15.0515, 60.7343)	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(22.8132, 15.0515,
60.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	7D53CF
RGB	125, 83, 207
RGB Percent	49%, 33%, 81%
CMY	0.5098, 0.6745, 0.1882
CMYK	0.40, 0.60, 0.00, 0.19
HSL	260°, 56%, 57%
HSV	260°, 60%, 81%
XYZ	22.8132, 15.0515, 60.7343
YIQ	109.6940, -14.7720, 47.4680

Conversions

Conversions Part 2

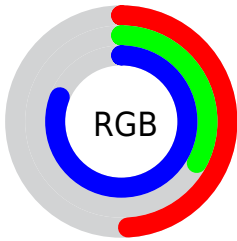
Format	Color
R _Y B	125, 83, 207
Decimal	8213455
CIE Lab	45.70, 44.76, -58.25
CIE LCh	46, 73.461, 307.543
Yxy	15.0515, 0.2314, 0.1527
Android (android.graphics.Color)	4286403535 (0xFF7D53CF)
YUV	109.6940, 47.9719, 13.4234
Hunter-Lab	38.7963, 37.0691, -65.6592

Details

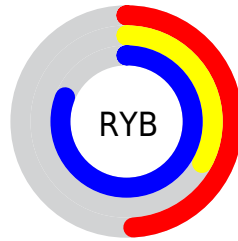
The XYZ color **22.8132, 15.0515, 60.7343** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **39.3910, 53.2496, 16.3860**, and the grayscale version is **14.6044, 15.3649, 16.7324**.

A 20% lighter version of the original color is **45.8665, 34.2153, 98.7945**, and **8.6234, 4.6400, 30.1469** is the 20% darker color. If you saturate the color by 10%, you get **19.5969, 11.3831, 60.1961**, and if you desaturate by 10%, it is **26.7790, 19.8082, 61.4437**.

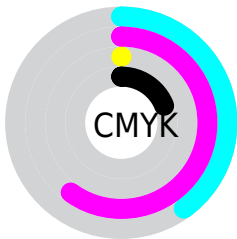
Distribution



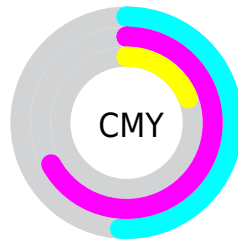
- Red (49%)
- Green (33%)
- Blue (81%)



- Red (49%)
- Yellow (33%)
- Blue (81%)



- Cyan (40%)
- Magenta (60%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (67%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8132, 15.0515, 60.7343 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 22.8132, 15.0515, 60.7343 by changing the saturation by 10% instead.

■ 22.8132, 15.0515,
60.7343

■ 22.8132, 15.0515,
60.7343

259.3174,
223.6777, 445.1787

■ 14.5756, 8.8555,
43.5816

■ 47.5553, 34.9435,
107.4479

■ 8.6064, 4.6471,
30.0069

■ 64.7906, 49.4083,
137.8459

■ 4.5404, 2.0417,
19.5918

■ 85.7557, 67.3982,
173.4961

■ 2.0122, 0.6315,
11.9175

■ 110.8161, 89.2976,
214.8170

■ 0.6408, 0.0000,
6.5657

■ 140.3371,
115.4909, 262.2272

■ 0.0000, 0.0000,
3.1177

174.6841,

■ 0.0000, 0.0000,

146.3624, 316.1451

1.1550

214.2224,
182.2965, 376.9895

■ 0.0000, 0.0000,
0.0000

■ 22.8132, 15.0515,
60.7343

■ 22.8132, 15.0515,
60.7343

■ 19.5969, 11.3831,
60.1961

■ 26.7790, 19.8082,
61.4437

■ 17.0733, 8.7088,
59.8129

■ 31.5408, 25.7333,
62.3364

■ 15.1796, 6.9197,
59.5674

■ 37.1438, 32.9013,
63.4247

■ 13.8086, 5.8208,
59.4275

■ 43.6286, 41.3796,
64.7194

■ 13.7968, 5.8115,
59.4263

■ 51.0333, 51.2307,
66.2305

■ 59.3937, 62.5131,
67.9676

■ 68.7435, 75.2820,
69.9395

■ 79.1147, 89.5894,
72.1545

■ 85.8044, 96.0178,
73.0427

Harmonies

Analogous

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



15.9191, 15.0515, 78.3389



22.8132, 15.0515, 60.7343



28.2954, 15.0515, 33.0784

Triad

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



22.8132, 15.0515, 60.7343



19.3288, 15.0515, 0.7628



5.4785, 15.0515, 21.2609

Complementary

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



22.8132, 15.0515, 60.7343



39.3910, 53.2496, 16.3860

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.



5.9093, 15.0515, 6.5400



22.8132, 15.0515, 60.7343



12.8057, 15.0515, 0.4178

Square

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



22.8132, 15.0515, 60.7343



25.9138, 15.0515, 3.1850



8.2302, 15.0515, 1.5184



6.8151, 15.0515, 47.0005

Rectangle

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



22.8132, 15.0515, 60.7343



29.7179, 15.0515, 17.8877



8.2302, 15.0515, 1.5184



5.4303, 15.0515, 14.9756

Sweetspot

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



22.8139, 15.0520, 60.7347



71.8166, 68.8210, 104.1064



28.4058, 33.4958, 64.0000



14.6687, 13.8027, 22.1410



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.



22.8139, 15.0520, 60.7347



30.0952, 16.8123, 96.2666



34.6868, 21.1727, 61.2903



11.5357, 11.6095, 14.8765



8.7837, 3.7084, 37.4453



0.5751, 0.2506, 2.0976

Inverse Universe

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



35.6170, 22.1688, 37.9983



53.1231, 29.6593, 53.2655



29.5448, 48.1736, 15.9252



12.1335, 11.9381, 13.9789



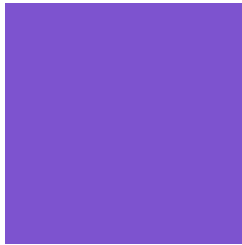
19.0977, 9.5119, 15.9527



1.1041, 0.5464, 1.0830

Previews

White Background



This preview shows how the XYZ color 22.8132, 15.0515, 60.7343 looks on a white background.

Color Contrast Check

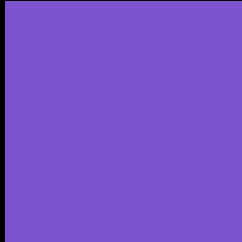
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.8132, 15.0515, 60.7343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

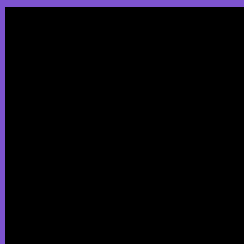
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8132, 15.0515, 60.7343

Background



This preview shows how black text looks on a background with the XYZ color 22.8132, 15.0515, 60.7343.



This preview shows how white text looks on a background with the XYZ color 22.8132, 15.0515,

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

22.8132, 15.0515, 60.7343

Protanopia

18.1351, 15.1746, 71.0804

Deuteranopia

15.3135, 15.0469, 53.1362



Tritanopia

14.3991, 15.0127, 18.9685

Trichromacy



Original Color

22.8132, 15.0515, 60.7343



Protanomaly

17.7894, 13.9334, 67.3974



Deuteranomaly

15.9482, 13.7958, 55.8551



Tritanomaly

16.6490, 14.5704, 30.7890

Monochromacy



Original Color

22.8132, 15.0515, 60.7343



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

16.7382, 14.8035, 28.7632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8132, 15.0515, 60.7343 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(125, 83, 207)` looks like.

```
.text, #text, p{  
  color:rgb(125, 83, 207)  
}
```

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(125, 83, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 83, 207) }
```

Border

The CSS property to change the border of an element to XYZ 22.8132, 15.0515, 60.7343 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(125, 83, 207) }
```


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

```
.border{ border-color:rgb(125, 83, 207) }
```

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

Here you see how a box with a 4 pixel rgb(125, 83, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 83, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 83, 207);  
box-shadow:4px 4px 4px 4px rgb(125, 83,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8132, 15.0515, 60.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 83, 207) }
```

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

```
.background{ background-color: rgb(125, 83,  
207) }
```

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