

Converting Colors

XYZ(20.7073, 14.0900, 63.6846)

Have a look what the booklet for
XYZ(20.7073, 14.0900, 63.6846)
contains.

XYZ(20.7257, 14.1340, 63.9231)	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(20.7257, 14.1340,
63.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	6755D4
RGB	103, 85, 212
RGB Percent	40%, 33%, 83%
CMY	0.5961, 0.6667, 0.1686
CMYK	0.51, 0.60, 0.00, 0.17
HSL	249°, 60%, 58%
HSV	249°, 60%, 83%
XYZ	20.7257, 14.1340, 63.9231
YIQ	104.8600, -30.0390, 43.3130

Conversions

Conversions Part 2

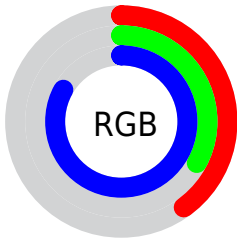
Format	Color
R_{YB}	103, 85, 212
Decimal	6772180
CIE _{Lab}	44.42, 40.50, -63.29
CIE _{LCh}	44, 75.136, 302.616
Yxy	14.1340, 0.2098, 0.1431
Android (android.graphics.Color)	4284962260 (0xFF6755D4)
YUV	104.8600, 52.8200, -1.6312
Hunter-Lab	37.5952, 32.6129, -74.4941

Details

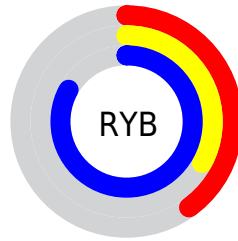
The XYZ color **20.7257, 14.1340, 63.9231** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **47.4302, 59.2118, 17.5236**, and the grayscale version is **13.2576, 13.9481, 15.1895**.

A 20% lighter version of the original color is **41.4119, 32.1250, 98.6258**, and **7.4932, 4.1986, 31.8680** is the 20% darker color. If you saturate the color by 10%, you get **17.4351, 10.3203, 63.3607**, and if you desaturate by 10%, it is **24.9716, 19.1823, 64.6741**.

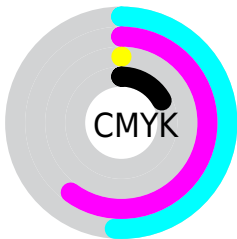
Distribution



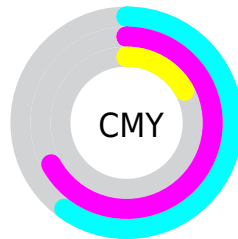
- Red (40%)
- Green (33%)
- Blue (83%)



- Red (40%)
- Yellow (33%)
- Blue (83%)



- Cyan (51%)
- Magenta (60%)
- Yellow (0%)
- Black (17%)



- Cyan (60%)
- Magenta (67%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7257, 14.1340, 63.9231 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 20.7257, 14.1340, 63.9231 by changing the saturation by 10% instead.

■ 20.7257, 14.1340,
63.9231

■ 20.7257, 14.1340,
63.9231

248.5765,
218.0629, 457.1117

■ 13.0350, 8.2139,
46.1426

■ 44.1253, 33.3266,
112.0986

■ 7.5298, 4.2321,
32.0089

■ 60.5649, 47.3679,
143.3307

■ 3.8448, 1.8042,
21.1034

■ 80.6514, 64.8851,
179.8837

■ 1.6147, 0.4898,
13.0076

■ 104.7503, 86.2625,
222.1762

■ 0.4020, 0.0000,
7.3030

■ 133.2269,
111.8847, 270.6267

■ 0.0000, 0.0000,
3.5710

166.4466,

■ 0.0000, 0.0000,

142.1358, 325.6537

1.3931

204.7747,
177.4004, 387.6759

■ 0.0000, 0.0000,
0.1363

■ 0.0000, 0.0000,
0.0000

■ 20.7257, 14.1340,
63.9231

■ 20.7257, 14.1340,
63.9231

■ 17.4351, 10.3203,
63.3607

■ 24.9716, 19.1823,
64.6741

■ 15.0217, 7.6321,
62.9691

■ 30.2384, 25.5588,
65.6273

■ 13.3982, 5.9433,
62.7287

■ 36.5879, 33.3496,
66.7964

■ 12.4280, 5.0373,
62.6049

■ 44.0766, 42.6331,
68.1936

■ 12.4208, 5.0304,
62.6040

■ 52.7571, 53.4817,
69.8301

■ 62.6784, 65.9635,
71.7164

■ 73.8871, 80.1421,
73.8624

■ 86.4271, 96.0781,
76.2774

■ 88.8837, 97.5335,
76.4288

Harmonies

Analogous

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



13.9717, 14.1340, 78.3715



20.7257, 14.1340, 63.9231



26.6279, 14.1340, 36.3465

Triad

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



20.7257, 14.1340, 63.9231



19.5224, 14.1340, 0.6906



4.8452, 14.1340, 16.9601

Complementary

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



20.7257, 14.1340, 63.9231



47.4302, 59.2118, 17.5236

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.



5.5290, 14.1340, 4.5931



20.7257, 14.1340, 63.9231



12.9102, 14.1340, 0.1074

Square

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



20.7257, 14.1340, 63.9231



25.7992, 14.1340, 3.5148



8.0911, 14.1340, 0.9303



5.8279, 14.1340, 41.2182

Rectangle

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



20.7257, 14.1340, 63.9231



28.5772, 14.1340, 20.0775



8.0911, 14.1340, 0.9303



4.8880, 14.1340, 11.4948

Sweetspot

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



20.7264, 14.1344, 63.9235



69.0780, 67.4092, 103.9782



35.1602, 45.7451, 69.2642



14.0106, 13.4634, 22.1102



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.



20.7264, 14.1344, 63.9235



25.3044, 14.3426, 96.0424



30.7397, 19.2965, 64.3921



11.9048, 12.0923, 15.6441



7.7184, 3.1315, 38.6508



0.5194, 0.2167, 2.3338

Inverse Universe

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



40.1371, 24.3890, 53.6282



57.6575, 31.4730, 77.1431



34.6314, 52.6138, 16.9246



12.8738, 12.6010, 15.2756



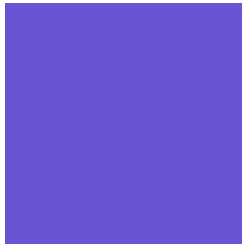
21.9992, 10.7360, 28.3638



1.3481, 0.6560, 1.8227

Previews

White Background



This preview shows how the XYZ color 20.7257, 14.1340, 63.9231 looks on a white background.

Color Contrast Check

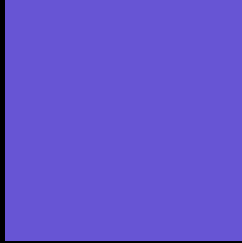
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7257, 14.1340, 63.9231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

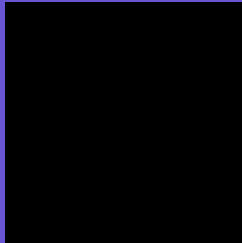
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7257, 14.1340, 63.9231

Background



This preview shows how black text looks on a background with the XYZ color 20.7257, 14.1340, 63.9231.



This preview shows how white text looks on a background with the XYZ color 20.7257, 14.1340,

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

20.7257, 14.1340, 63.9231

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

11.8986, 14.1808, 19.8793

Trichromacy



Original Color

20.7257, 14.1340, 63.9231

Protanomaly

16.8654, 13.3818, 64.6448

Deuteranomaly

15.0751, 13.2571, 53.3941

Tritanomaly

14.2475, 13.7339, 32.0370

Monochromacy



Original Color

20.7257, 14.1340, 63.9231

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.1106, 13.6920, 28.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7257, 14.1340, 63.9231 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(103, 85, 212)` looks like.

```
.text, #text, p{  
    color:rgb(103, 85, 212)  
}
```

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(103, 85, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 85, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.7257, 14.1340, 63.9231 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(103, 85, 212) }
```


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

```
.border{ border-color:rgb(103, 85, 212) }
```

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

Here you see how a box with a 4 pixel rgb(103, 85, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 85, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 85, 212);  
box-shadow:4px 4px 4px 4px rgb(103, 85,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7257, 14.1340, 63.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 85, 212) }
```

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

```
.background{ background-color: rgb(103, 85,  
212) }
```

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