

Converting Colors

XYZ(20.7548, 14.3648, 63.7356)

Have a look what the booklet for
XYZ(20.7548, 14.3648, 63.7356)
contains.

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Color

**XYZ(20.7714, 14.3946,
63.9710)**

Conversions

Conversions Part 1

Format	Color
Hex	6657D4
RGB	102, 87, 212
RGB Percent	40%, 34%, 83%
CMY	0.6000, 0.6588, 0.1686
CMYK	0.52, 0.59, 0.00, 0.17
HSL	247°, 59%, 59%
HSV	247°, 59%, 83%
XYZ	20.7714, 14.3946, 63.9710
YIQ	105.7350, -31.1850, 42.0550

Conversions

Conversions Part 2

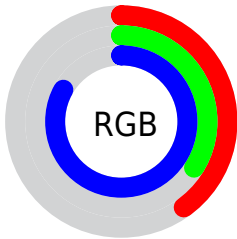
Format	Color
R_{YB}	102, 87, 212
Decimal	6707156
CIE _{Lab}	44.79, 39.13, -62.69
CIE _{LCh}	45, 73.901, 301.970
Yxy	14.3946, 0.2095, 0.1452
Android (android.graphics.Color)	4284897236 (0xFF6657D4)
YUV	105.7350, 52.3886, -3.2756
Hunter-Lab	37.9402, 31.3293, -73.4107

Details

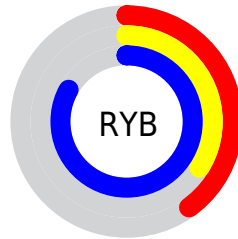
The XYZ color **20.7714, 14.3946, 63.9710** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **48.2885, 59.6449, 17.9844**, and the grayscale version is **13.4954, 14.1982, 15.4618**.

A 20% lighter version of the original color is **41.4929, 32.5849, 98.7103**, and **7.5566, 4.3795, 31.8995** is the 20% darker color. If you saturate the color by 10%, you get **17.4186, 10.4816, 63.3928**, and if you desaturate by 10%, it is **25.1052, 19.5614, 64.7402**.

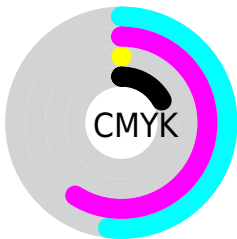
Distribution



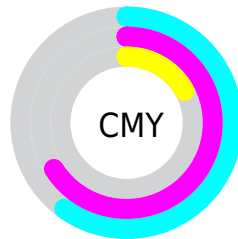
- Red (40%)
- Green (34%)
- Blue (83%)



- Red (40%)
- Yellow (34%)
- Blue (83%)



- Cyan (52%)
- Magenta (59%)
- Yellow (0%)
- Black (17%)



- Cyan (60%)
- Magenta (66%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7714, 14.3946, 63.9710 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 20.7714, 14.3946, 63.9710 by changing the saturation by 10% instead.

■ 20.7714, 14.3946,
63.9710

■ 20.7714, 14.3946,
63.9710

248.8159,
219.6720, 457.2895

■ 13.0685, 8.3956,
46.1812

■ 44.2009, 33.7876,
112.1682

■ 7.5531, 4.3491,
32.0391

■ 60.6583, 47.9503,
143.4127

■ 3.8597, 1.8707,
21.1263

■ 80.7645, 65.6032,
179.9791

■ 1.6231, 0.5307,
13.0242

■ 104.8849, 87.1305,
222.2861

■ 0.4074, 0.0000,
7.3143

■ 133.3849,
112.9166, 270.7520

■ 0.0000, 0.0000,
3.5780

166.6298,

■ 0.0000, 0.0000,

143.3460, 325.7955

1.3968

204.9850,
178.8030, 387.8352

■ 0.0000, 0.0000,
0.1392

■ 0.0000, 0.0000,
0.0000

■ 20.7714, 14.3946,
63.9710

■ 20.7714, 14.3946,
63.9710

■ 17.4186, 10.4816,
63.3928

■ 25.1052, 19.5614,
64.7402

■ 14.9668, 7.7134,
62.9877

■ 30.4871, 26.0759,
65.7140

■ 13.3267, 5.9641,
62.7365

■ 36.9810, 34.0244,
66.9059

■ 12.3699, 5.0396,
62.6084

■ 44.6447, 43.4859,
68.3283

■ 12.2958, 4.9659,
62.5981

■ 53.5322, 54.5332,
69.9922

■ 63.6940, 67.2347,
71.9082

■ 75.1779, 81.6547,
74.0863

■ 87.5162, 96.8285,
76.3648

■ 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.



14.0835, 14.3946, 77.6347



20.7714, 14.3946, 63.9710



26.6541, 14.3946, 36.9840

Triad

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



20.7714, 14.3946, 63.9710



19.8741, 14.3946, 0.8388



5.0673, 14.3946, 16.8409

Complementary

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



20.7714, 14.3946, 63.9710



48.2885, 59.6449, 17.9844

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.



5.7964, 14.3946, 4.6860



20.7714, 14.3946, 63.9710



13.2875, 14.3946, 0.2358

Square

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



20.7714, 14.3946, 63.9710



26.0382, 14.3946, 3.8576



8.4223, 14.3946, 1.0173



6.0238, 14.3946, 40.5944

Rectangle

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



20.7714, 14.3946, 63.9710



28.6425, 14.3946, 20.7752



8.4223, 14.3946, 1.0173



5.1225, 14.3946, 11.4835

Sweetspot

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



20.7721, 14.3950, 63.9714



68.7850, 67.2581, 103.9645



35.8753, 46.9019, 69.4498



13.9406, 13.4273, 22.1069



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.



20.7721, 14.3950, 63.9714



25.2862, 14.5806, 96.0893



30.6191, 19.4713, 64.4322



11.8797, 12.0794, 15.6429



7.6354, 3.0887, 38.6469



0.5076, 0.2106, 2.3332

Inverse Universe

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



40.6371, 24.8445, 55.4737



58.4314, 32.0493, 80.3963



35.2422, 52.9193, 17.3738



12.8858, 12.6058, 15.3391



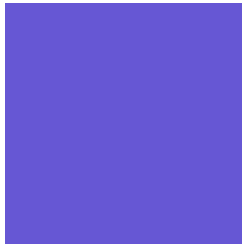
22.2944, 10.8541, 29.9179



1.3632, 0.6621, 1.9020

Previews

White Background



This preview shows how the XYZ color 20.7714, 14.3946, 63.9710 looks on a white background.

Color Contrast Check

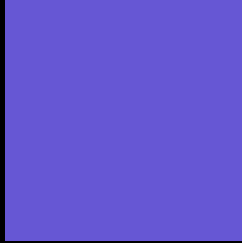
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7714, 14.3946, 63.9710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

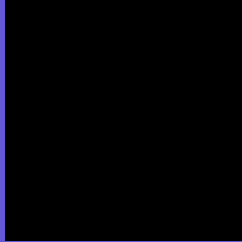
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7714, 14.3946, 63.9710

Background



This preview shows how black text looks on a background with the XYZ color 20.7714, 14.3946, 63.9710.



This preview shows how white text looks on a background with the XYZ color 20.7714, 14.3946,

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

20.7714, 14.3946, 63.9710

Deuteranopia

14.4397, 14.3560, 49.5869

Tritanopia

11.9930, 14.3853, 20.2337

Trichromacy



Original Color

20.7714, 14.3946, 63.9710



Deuteranomaly

15.3982, 13.5389, 54.6250



Tritanomaly

14.3391, 13.9184, 32.5026

Monochromacy



Original Color

20.7714, 14.3946, 63.9710



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

15.3984, 13.9713, 28.6732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7714, 14.3946, 63.9710 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(102, 87, 212)` looks like.

```
.text, #text, p{  
    color:rgb(102, 87, 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(102, 87, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 87, 212) }
```

Border

The CSS property to change the border of an element to XYZ 20.7714, 14.3946, 63.9710 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(102, 87, 212) }
```

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

```
.border{ border-color:rgb(102, 87, 212) }
```

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

Here you see how a box with a 4 pixel rgb(102, 87, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 87, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 87, 212);  
box-shadow:4px 4px 4px 4px rgb(102, 87,  
212) }
```


Background

The CSS property to change the background color of an element to XYZ 20.7714, 14.3946, 63.9710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 87, 212) }
```

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

```
.background{ background-color: rgb(102, 87,  
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](#).

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