

Converting Colors

XYZ(20.7543, 14.9073, 40.3041)

Have a look what the booklet for
XYZ(20.7543, 14.9073, 40.3041)
contains.

XYZ(20.7506, 14.9076, 40.3118)	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(20.7506, 14.9076,
40.3118)**

Conversions

Conversions Part 1

Format	Color
Hex	8757AB
RGB	135, 87, 171
RGB Percent	53%, 34%, 67%
CMY	0.4706, 0.6588, 0.3294
CMYK	0.21, 0.49, 0.00, 0.33
HSL	274°, 33%, 51%
HSV	274°, 49%, 67%
XYZ	20.7506, 14.9076, 40.3118
YIQ	110.9280, 1.6440, 36.3000

Conversions

Conversions Part 2

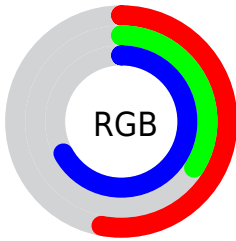
Format	Color
R_{YB}	135, 87, 171
Decimal	8869803
CIE _{Lab}	45.51, 35.95, -37.56
CIE _{LCh}	46, 51.996, 313.744
Yxy	14.9076, 0.2731, 0.1962
Android (android.graphics.Color)	4287059883 (0xFF8757AB)
YUV	110.9280, 29.6155, 21.1111
Hunter-Lab	38.6104, 28.3642, -34.8755

Details

The XYZ color **20.7506, 14.9076, 40.3118** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.4519, 34.0252, 14.2962**, and the grayscale version is **15.0057, 15.7872, 17.1922**.

A 20% lighter version of the original color is **44.1888, 34.6702, 77.0361**, and **7.5628, 4.5980, 17.6284** is the 20% darker color. If you saturate the color by 10%, you get **18.3879, 11.8724, 39.8507**, and if you desaturate by 10%, it is **23.5235, 18.6417, 40.8867**.

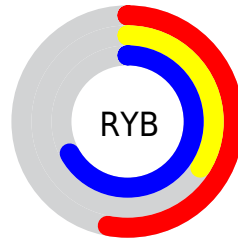
Distribution



Red (53%)

Green (34%)

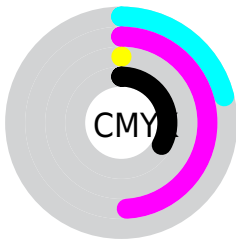
Blue (67%)



Red (53%)

Yellow (34%)

Blue (67%)

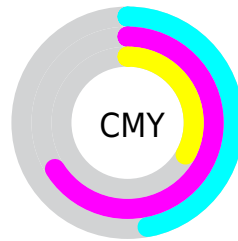


Cyan (21%)

Magenta (49%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (66%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7506, 14.9076, 40.3118 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 20.7506, 14.9076, 40.3118 by changing the saturation by 10% instead.

■ 20.7506, 14.9076,
40.3118

■ 20.7506, 14.9076,
40.3118

248.7070,
222.8063, 363.0271

■ 13.0532, 8.7546,
27.4661

■ 44.1665, 34.6910,
76.8804

■ 7.5425, 4.5814,
17.6881

■ 60.6158, 49.0902,
101.4403

■ 3.8529, 2.0038,
10.5591

■ 80.7130, 67.0068,
130.7420

■ 1.6193, 0.6097,
5.6608

■ 104.8237, 88.8253,
165.2042

■ 0.4049, 0.0000,
2.5745

■ 133.3130,
114.9302, 205.2452

■ 0.0000, 0.0000,
0.8793

166.5464,

■ 0.0000, 0.0000,

145.7057, 251.2837

0.0000

204.8893,
181.5362, 303.7381

■ 20.7506, 14.9076,
40.3118

■ 20.7506, 14.9076,
40.3118

■ 18.3879, 11.8724,
39.8507

■ 23.5235, 18.6417,
40.8867

■ 16.4086, 9.4863,
39.4945

■ 26.7278, 23.1161,
41.5814

■ 14.7849, 7.6959,
39.2345

■ 30.3849, 28.3711,
42.4030

■ 13.4838, 6.4378,
39.0602

■ 34.5144, 34.4435,
43.3574

■ 12.4430, 5.5897,
38.9514

■ 39.1344, 41.3676,
44.4504

■ 12.3572, 5.5212,
38.9427

■ 44.2624, 49.1759,
45.6873

■ 49.9146, 57.8990,
47.0731

■ 56.1066, 67.5662,
48.6127

■ 62.8534, 78.2052,
50.3107

Harmonies

Analogous

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



16.2436, 14.9076, 52.2234



20.7506, 14.9076, 40.3118



23.7742, 14.9076, 23.8747

Triad

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



20.7506, 14.9076, 40.3118



16.6334, 14.9076, 2.4069



7.5160, 14.9076, 22.5908

Complementary

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



20.7506, 14.9076, 40.3118



24.4519, 34.0252, 14.2962

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.



7.5781, 14.9076, 10.4237



20.7506, 14.9076, 40.3118



12.2794, 14.9076, 2.3318

Square

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



20.7506, 14.9076, 40.3118



21.0856, 14.9076, 4.6874



9.1512, 14.9076, 4.3715



8.9595, 14.9076, 38.9697

Rectangle

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



20.7506, 14.9076, 40.3118



24.2225, 14.9076, 14.7221



9.1512, 14.9076, 4.3715



7.3721, 14.9076, 17.8414

Sweetspot

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



20.7512, 14.9082, 40.3121



57.1674, 54.8278, 76.5717



18.4144, 19.2324, 41.2700



12.4195, 11.7452, 17.0002



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7512, 14.9082, 40.3121



32.5768, 20.8215, 71.3038



27.0311, 18.2060, 37.8782



8.0005, 7.9746, 10.0703



9.3766, 4.1937, 29.3598



0.3218, 0.1481, 0.8196

Inverse Universe

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



23.7783, 16.9049, 20.7489



39.0865, 25.0893, 30.4084



20.4519, 31.9356, 15.3501



8.1424, 8.0702, 9.0605



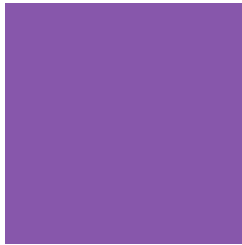
13.5997, 6.9024, 5.5375



0.4061, 0.2031, 0.3002

Previews

White Background



This preview shows how the XYZ color 20.7506, 14.9076, 40.3118 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 20.7506, 14.9076, 40.3118 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 20.7506, 14.9076, 40.3118

Background



This preview shows how black text looks on a background with the XYZ color 20.7506, 14.9076, 40.3118.



This preview shows how white text looks on a background with the XYZ color 20.7506, 14.9076,

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

20.7506, 14.9076, 40.3118

Protanopia

16.7272, 15.0736, 49.6048

Deuteranopia

15.4795, 15.1348, 38.6647



Tritanopia

16.0233, 14.9885, 16.8004

Trichromacy



Original Color

20.7506, 14.9076, 40.3118

Protanomaly

17.4273, 14.4924, 46.1348

Deuteranomaly

16.7706, 14.5941, 38.9788

Tritanomaly

17.4928, 14.8825, 23.7804

Monochromacy



Original Color

20.7506, 14.9076, 40.3118

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.7307, 15.1893, 24.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7506, 14.9076, 40.3118 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(135, 87, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 87, 171)  
}
```

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(135, 87, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 87, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.7506, 14.9076, 40.3118 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(135, 87, 171) }
```


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

```
.border{ border-color:rgb(135, 87, 171) }
```

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

Here you see how a box with a 4 pixel rgb(135, 87, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 87, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 87, 171);  
box-shadow:4px 4px 4px 4px rgb(135, 87,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7506, 14.9076, 40.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 87, 171) }
```

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

```
.background{ background-color: rgb(135, 87,  
171) }
```

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