

Converting Colors

XYZ(20.7764, 15.8711, 47.6049)

Have a look what the booklet for
XYZ(20.7764, 15.8711, 47.6049)
contains.

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Color

**XYZ(20.8250, 15.9335,
47.8768)**

Conversions

Conversions Part 1

Format	Color
Hex	7960B9
RGB	121, 96, 185
RGB Percent	47%, 38%, 73%
CMY	0.5255, 0.6235, 0.2745
CMYK	0.35, 0.48, 0.00, 0.27
HSL	257°, 39%, 55%
HSV	257°, 48%, 73%
XYZ	20.8250, 15.9335, 47.8768
YIQ	113.6210, -13.6690, 32.9790

Conversions

Conversions Part 2

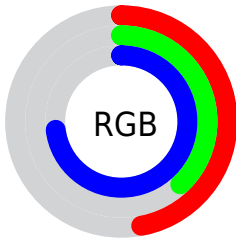
Format	Color
R_{YB}	121, 96, 185
Decimal	7954617
CIE _{Lab}	46.89, 30.36, -43.66
CIE _{LCh}	47, 53.179, 304.818
Yxy	15.9335, 0.2461, 0.1883
Android (android.graphics.Color)	4286144697 (0xFF7960B9)
YUV	113.6210, 35.1898, 6.4714
Hunter-Lab	39.9168, 23.2709, -43.1716

Details

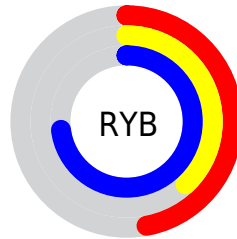
The XYZ color **20.8250, 15.9335, 47.8768** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.9576, 43.0163, 17.5801**, and the grayscale version is **15.7826, 16.6045, 18.0823**.

A 20% lighter version of the original color is **44.3652, 36.5083, 88.7129**, and **7.5789, 5.0643, 22.0508** is the 20% darker color. If you saturate the color by 10%, you get **17.5940, 12.0504, 47.2979**, and if you desaturate by 10%, it is **24.7115, 20.7445, 48.6009**.

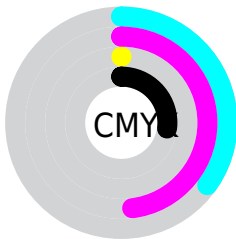
Distribution



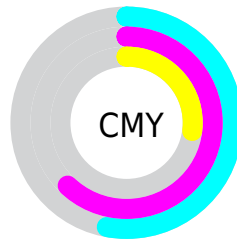
- Red (47%)
- Green (38%)
- Blue (73%)



- Red (47%)
- Yellow (38%)
- Blue (73%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (62%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8250, 15.9335, 47.8768 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 20.8250, 15.9335, 47.8768 by changing the saturation by 10% instead.

■ 20.8250, 15.9335,
47.8768

■ 20.8250, 15.9335,
47.8768

249.0964,
228.9490, 394.7982

■ 13.1079, 9.4771,
33.3700

■ 44.2896, 36.4827,
88.3846

■ 7.5804, 5.0537,
22.1366

■ 60.7677, 51.3443,
115.2227

■ 3.8772, 2.2788,
13.7581

■ 80.8970, 69.7765,
147.0083

■ 1.6329, 0.7624,
7.8158

■ 105.0426, 92.1636,
184.1600

■ 0.4137, 0.0000,
3.8912

133.5700,
118.8900, 227.0963

■ 0.0000, 0.0000,
1.5658

166.8445,

■ 0.0000, 0.0000,

150.3401, 276.2357

0.2663

205.2315,
186.8983, 331.9968

■ 0.0000, 0.0000,
0.0000

■ 20.8250, 15.9335,
47.8768

■ 20.8250, 15.9335,
47.8768

■ 17.5940, 12.0504,
47.2979

■ 24.7115, 20.7445,
48.6009

■ 14.9779, 9.0316,
46.8531

■ 29.2870, 26.5380,
49.4780

■ 12.9342, 6.8079,
46.5316

■ 34.5849, 33.3660,
50.5167

■ 11.4132, 5.2981,
46.3203

■ 40.6358, 41.2766,
51.7247

■ 10.3426, 4.3766,
46.1989

■ 47.4684, 50.3146,
53.1091

■ 10.1716, 4.2320,
46.1800

■ 55.1099, 60.5224,
54.6766

■ 63.5863, 71.9403,
56.4337

■ 72.9222, 84.6063,
58.3865

■ 80.7010, 93.6763,
59.7272

Harmonies

Analogous

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



15.9054, 15.9335, 57.2429



20.8250, 15.9335, 47.8768



24.7274, 15.9335, 30.6347

Triad

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



20.8250, 15.9335, 47.8768



19.2622, 15.9335, 2.9843



7.8857, 15.9335, 19.5826

Complementary

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



20.8250, 15.9335, 47.8768



33.9576, 43.0163, 17.5801

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.



8.4254, 15.9335, 8.5964



20.8250, 15.9335, 47.8768



14.4079, 15.9335, 2.3185

Square

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



20.8250, 15.9335, 47.8768



23.7037, 15.9335, 6.4742



10.6038, 15.9335, 3.6978



8.9421, 15.9335, 36.3871

Rectangle

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



20.8250, 15.9335, 47.8768



25.8686, 15.9335, 19.7579



10.6038, 15.9335, 3.6978



7.8889, 15.9335, 15.1440

Sweetspot

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



20.8256, 15.9341, 47.8772



65.9808, 65.0178, 91.2767



26.3728, 31.5731, 50.6034



13.7372, 13.3818, 19.5805



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.8256, 15.9341, 47.8772



31.0752, 21.0695, 84.6336



28.2983, 19.7864, 48.2269



8.7517, 8.8383, 11.3241



6.9884, 2.9138, 31.4472



0.3088, 0.1349, 1.1115

Inverse Universe

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



30.5359, 21.2185, 35.7438



50.9565, 31.9174, 58.5151



26.7655, 39.3086, 17.2435



9.2704, 9.1185, 10.7714



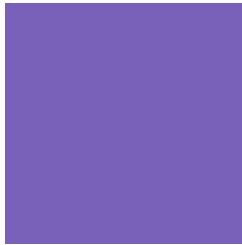
16.5399, 8.1897, 15.9957



0.6080, 0.2987, 0.6954

Previews

White Background



This preview shows how the XYZ color 20.8250, 15.9335, 47.8768 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 20.8250, 15.9335, 47.8768 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 20.8250, 15.9335, 47.8768

Background



This preview shows how black text looks on a background with the XYZ color 20.8250, 15.9335, 47.8768.



This preview shows how white text looks on a background with the XYZ color 20.8250, 15.9335,

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

20.8250, 15.9335, 47.8768

Protanopia

17.9664, 16.0584, 54.9760

Deuteranopia

16.5524, 16.1590, 46.5026



Tritanopia

15.1380, 15.8507, 20.0309

Trichromacy



Original Color

20.8250, 15.9335, 47.8768

Protanomaly

18.6958, 15.8747, 52.5308

Deuteranomaly

17.6318, 15.7532, 46.9111

Tritanomaly

16.8702, 15.7664, 28.5396

Monochromacy



Original Color

20.8250, 15.9335, 47.8768

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3274, 16.1907, 27.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8250, 15.9335, 47.8768 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(121, 96, 185)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 185)  
}
```

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(121, 96, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.8250, 15.9335, 47.8768 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(121, 96, 185) }
```


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

```
.border{ border-color:rgb(121, 96, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 96, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 185);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8250, 15.9335, 47.8768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 96, 185) }
```

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

```
.background{ background-color: rgb(121, 96,  
185) }
```

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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