

Converting Colors

XYZ(20.9524, 20.4111, 34.8746)

Have a look what the booklet for
XYZ(20.9524, 20.4111, 34.8746)
contains.

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Color

**XYZ(20.9305, 20.4183,
34.7363)**

Conversions

Conversions Part 1

Format	Color
Hex	797A9D
RGB	121, 122, 157
RGB Percent	47%, 48%, 62%
CMY	0.5255, 0.5216, 0.3843
CMYK	0.23, 0.22, 0.00, 0.38
HSL	238°, 16%, 55%
HSV	238°, 23%, 62%
XYZ	20.9305, 20.4183, 34.7363
YIQ	125.6910, -11.8310, 10.6730

Conversions

Conversions Part 2

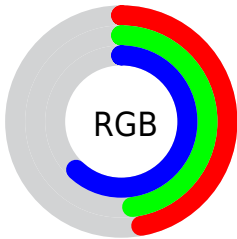
Format	Color
R _Y B	121, 122, 157
Decimal	7961245
CIE Lab	52.31, 7.51, -18.89
CIE LCh	52, 20.327, 291.686
Yxy	20.4183, 0.2751, 0.2684
Android (android.graphics.Color)	4286151325 (0xFF797A9D)
YUV	125.6910, 15.4353, -4.1140
Hunter-Lab	45.1866, 3.6049, -13.9474

Details

The XYZ color **20.9305, 20.4183, 34.7363** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.2446, 32.3258, 22.7879**, and the grayscale version is **19.6791, 20.7039, 22.5465**.

A 20% lighter version of the original color is **44.4753, 44.0242, 68.4408**, and **7.6565, 7.1834, 14.6187** is the 20% darker color. If you saturate the color by 10%, you get **17.1776, 15.9169, 34.0656**, and if you desaturate by 10%, it is **25.3372, 25.6947, 35.5228**.

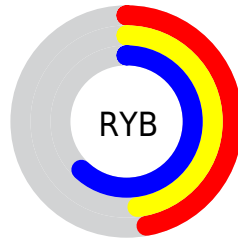
Distribution



Red (47%)

Green (48%)

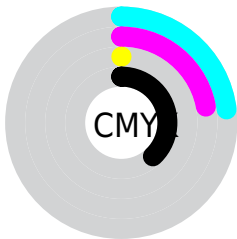
Blue (62%)



Red (47%)

Yellow (48%)

Blue (62%)

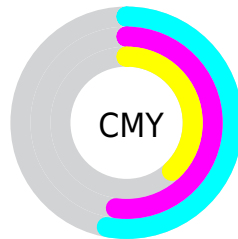


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9305, 20.4183, 34.7363 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 20.9305, 20.4183, 34.7363 by changing the saturation by 10% instead.

■ 20.9305, 20.4183,
34.7363

■ 20.9305, 20.4183,
34.7363

249.6476,
254.1707, 338.2717

■ 13.1854, 12.6995,
23.1779

■ 44.4640, 44.1174,
68.2240

■ 7.6342, 7.2219,
14.5184

■ 60.9831, 60.8664,
90.9903

■ 3.9116, 3.6013,
8.3392

■ 81.1575, 81.3944,
118.3298

■ 1.6523, 1.4531,
4.2219

105.3527,
106.0855, 150.6608

■ 0.4261, 0.2554,
1.7479

133.9339,
135.3244, 188.4019

■ 0.0000, 0.0000,
0.3932

167.2666,

■ 0.0000, 0.0000,

169.4952, 231.9718

0.0000

205.7160,
208.9825, 281.7888

■ 20.9305, 20.4183,
34.7363

■ 20.9305, 20.4183,
34.7363

■ 17.1776, 15.9169,
34.0656

■ 25.3372, 25.6947,
35.5228

■ 14.0455, 12.1517,
33.5039

■ 30.4246, 31.7775,
36.4288

■ 11.5014, 9.0843,
33.0459

■ 36.2207, 38.6996,
37.4594

■ 9.5085, 6.6718,
32.6853

■ 42.7511, 46.4910,
38.6191

■ 8.0261, 4.8666,
32.4150

■ 50.0402, 55.1805,
39.9122

■ 7.0076, 3.6146,
32.2270

■ 58.1114, 64.7954,
41.3426

■ 6.3983, 2.8523,
32.1120

■ 66.9869, 75.3620,
42.9144

■ 6.1332, 2.5291,
32.0636

■ 76.6882, 86.9054,
44.6312

■ 83.0859, 95.2144,
45.8978

Harmonies

Analogous

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



18.8315, 20.4183, 35.6789



20.9305, 20.4183, 34.7363



22.7347, 20.4183, 30.1599

Triad

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



20.9305, 20.4183, 34.7363



22.0072, 20.4183, 14.3677



15.6952, 20.4183, 20.6087

Complementary

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



20.9305, 20.4183, 34.7363



29.2446, 32.3258, 22.7879

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.



16.4209, 20.4183, 15.8316



20.9305, 20.4183, 34.7363



19.9940, 20.4183, 12.6760

Square

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



20.9305, 20.4183, 34.7363



23.3868, 20.4183, 18.2438



17.9592, 20.4183, 13.1590



15.9064, 20.4183, 26.7629

Rectangle

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



20.9305, 20.4183, 34.7363



23.4785, 20.4183, 26.0490



17.9592, 20.4183, 13.1590



15.8357, 20.4183, 18.8074

Sweetspot

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



20.9312, 20.4191, 34.7368



50.5032, 52.1483, 64.5306



25.9265, 30.5729, 35.8989



11.0066, 11.3478, 14.1806



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.9312, 20.4191, 34.7368



33.5736, 31.8784, 61.5104



23.3719, 21.4959, 34.8160



6.2988, 6.4633, 8.3222



4.9859, 2.0633, 26.0427



0.0930, 0.0446, 0.4669

Inverse Universe

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



24.2554, 22.2486, 21.4292



40.6993, 35.8205, 32.9803



26.3576, 31.0877, 22.7011



6.6402, 6.6490, 6.9562



11.3148, 5.8305, 0.6430



0.2043, 0.1050, 0.0217

Previews

White Background



This preview shows how the XYZ color 20.9305, 20.4183, 34.7363 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9305, 20.4183, 34.7363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

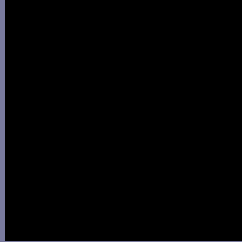
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9305, 20.4183, 34.7363

Background



This preview shows how black text looks on a background with the XYZ color 20.9305, 20.4183, 34.7363.



This preview shows how white text looks on a background with the XYZ color 20.9305, 20.4183,

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

20.9305, 20.4183, 34.7363

Protanopia

20.4570, 20.3475, 35.1970

Deuteranopia

20.7911, 20.3465, 34.7297



Tritanopia

19.2409, 20.4812, 26.2317

Trichromacy



Original Color

20.9305, 20.4183, 34.7363

Protanomaly

20.7257, 20.4861, 35.2096

Deuteranomaly

20.7911, 20.3465, 34.7297

Tritanomaly

19.8389, 20.5324, 29.3031

Monochromacy



Original Color

20.9305, 20.4183, 34.7363

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1612, 20.7585, 26.6111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9305, 20.4183, 34.7363 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, 122, 157)` looks like.

```
.text, #text, p{  
    color:rgb(121, 122, 157)  
}
```

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, 122, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 122, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.9305, 20.4183, 34.7363 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, 122, 157) }
```


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

```
.border{ border-color:rgb(121, 122, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 122, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 122, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 122, 157); box-shadow:4px 4px 4px 4px rgb(121, 122, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9305, 20.4183, 34.7363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 122, 157) }
```

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

```
.background{ background-color: rgb(121,  
122, 157) }
```

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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