

Converting Colors

XYZ(21.7506, 10.1233, 50.2422)

Have a look what the booklet for
XYZ(21.7506, 10.1233, 50.2422)
contains.

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Color

**XYZ(21.7984, 10.1511,
50.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	9500BF
RGB	149, 0, 191
RGB Percent	58%, 0%, 75%
CMY	0.4157, 1.0000, 0.2510
CMYK	0.22, 1.00, 0.00, 0.25
HSL	287°, 100%, 37%
HSV	287°, 100%, 75%
XYZ	21.7984, 10.1511, 50.1007
YIQ	66.3250, 27.4930, 90.9890

Conversions

Conversions Part 2

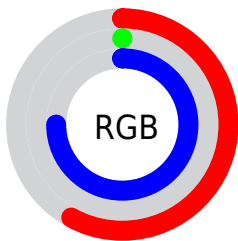
Format	Color
R_{YB}	149, 0, 191
Decimal	9765055
CIE _{Lab}	38.11, 72.81, -61.11
CIE _{LCh}	38, 95.056, 319.995
Yxy	10.1511, 0.2657, 0.1237
Android (android.graphics.Color)	4287955135 (0xFF9500BF)
YUV	66.3250, 61.4648, 72.5060
Hunter-Lab	31.8608, 66.3691, -70.9302

Details

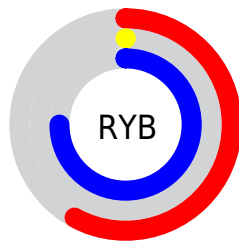
The XYZ color **21.7984, 10.1511, 50.1007** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.5859, 37.7541, 6.2551**, and the grayscale version is **5.1340, 5.4013, 5.8821**.

A 20% lighter version of the original color is **45.8981, 26.0721, 91.4202**, and **8.7583, 4.0017, 23.6033** is the 20% darker color. If you saturate the color by 10%, you get **21.7987, 10.1513, 50.1009**, and if you desaturate by 10%, it is **22.8137, 11.0229, 50.2156**.

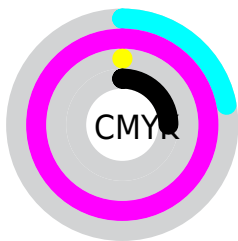
Distribution



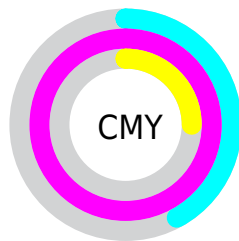
- Red (58%)
- Green (0%)
- Blue (75%)



- Red (58%)
- Yellow (0%)
- Blue (75%)



- Cyan (22%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (42%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7984, 10.1511, 50.1007 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 21.7984, 10.1511, 50.1007 by changing the saturation by 10% instead.

■ 21.7984, 10.1511,
50.1007

■ 21.7984, 10.1511,
50.1007

254.1439,
191.7471, 403.8060

■ 13.8246, 5.4993,
35.1217

■ 45.8939, 26.0793,
91.7219

■ 8.0797, 2.5431,
23.4723

■ 62.7463, 38.1245,
119.2012

■ 4.1982, 0.8981,
14.7341

■ 83.2890, 53.4029,
151.6842

■ 1.8149, 0.0000,
8.4884

■ 107.8873, 72.2989,
189.5897

■ 0.5266, 0.0000,
4.3168

■ 136.9066, 95.1969,
233.3360

■ 0.0000, 0.0000,
1.8007

■ 170.7122,

■ 0.0000, 0.0000,

122.4814, 283.3418

0.4284

209.6695,
154.5367, 340.0256

■ 0.0000, 0.0000,
0.0000

■ 21.7984, 10.1511,
50.1007

■ 21.7984, 10.1511,
50.1007

■ 21.7987, 10.1513,
50.1009

■ 22.8137, 11.0229,
50.2156

■ 24.0869, 12.3696,
50.4085

■ 25.7018, 14.3579,
50.7071

■ 27.7008, 17.0721,
51.1257

■ 30.1198, 20.5835,
51.6760

■ 32.9903, 24.9550,
52.3685

■ 36.3408, 30.2429,
53.2125

■ 40.1972, 36.4988,
54.2168

■ 44.5835, 43.7703,
55.3891

Harmonies

Analogous

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



14.2702, 10.1511, 82.8966



21.7984, 10.1511, 50.1007



26.5513, 10.1511, 18.0222

Triad

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



21.7984, 10.1511, 50.1007



11.8462, 10.1511, 0.0000



2.2665, 10.1511, 27.0968

Complementary

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



21.7984, 10.1511, 50.1007



19.5859, 37.7541, 6.2551

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.



2.0701, 10.1511, 6.1612



21.7984, 10.1511, 50.1007



6.1507, 10.1511, 0.0000

Square

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



21.7984, 10.1511, 50.1007



19.3918, 10.1511, 0.0000



3.1397, 10.1511, 0.3219



3.8783, 10.1511, 62.3806

Rectangle

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



21.7984, 10.1511, 50.1007



26.5519, 10.1511, 6.1649



3.1397, 10.1511, 0.3219



2.0699, 10.1511, 18.0146

Sweetspot

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



21.7989, 10.1515, 50.1009



64.7796, 53.6742, 95.2250



10.3261, 5.6058, 49.8282



13.6428, 10.8609, 20.7626



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.7989, 10.1515, 50.1009



38.8248, 18.0693, 89.7206



26.2247, 12.9720, 25.9590



9.7191, 9.5876, 12.0105



14.3966, 6.7078, 32.9288



0.6157, 0.2895, 1.2923

Inverse Universe

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



21.9040, 11.2437, 3.2065



39.1564, 20.1079, 5.3557



19.2271, 37.5003, 9.3496



9.6138, 9.5698, 10.3551



14.4201, 7.3992, 2.2400



0.5900, 0.2999, 0.2200

Previews

White Background



This preview shows how the XYZ color 21.7984, 10.1511, 50.1007 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 21.7984, 10.1511, 50.1007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

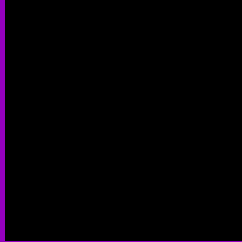
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7984, 10.1511, 50.1007

Background



This preview shows how black text looks on a background with the XYZ color 21.7984, 10.1511, 50.1007.



This preview shows how white text looks on a background with the XYZ color 21.7984, 10.1511,

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

21.7984, 10.1511, 50.1007

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.7035, 10.6857, 36.6204



Tritanopia

13.6369, 10.5979, 8.9163

Trichromacy



Original Color

21.7984, 10.1511, 50.1007

Protanomaly

12.0615, 7.3414, 48.3583

Deuteranomaly

10.7772, 7.0720, 40.8414

Tritanomaly

15.0946, 8.9589, 18.7030

Monochromacy



Original Color

21.7984, 10.1511, 50.1007

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5211, 5.2904, 15.6110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7984, 10.1511, 50.1007 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(149, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 191)  
}
```

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(149, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.7984, 10.1511, 50.1007 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(149, 0, 191) }
```


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

```
.border{ border-color:rgb(149, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(149, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7984, 10.1511, 50.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 191) }
```

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

```
.background{ background-color: rgb(149, 0,  
191) }
```

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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