

Converting Colors

XYZ(21.0936, 10.0132, 57.3247)

Have a look what the booklet for
XYZ(21.0936, 10.0132, 57.3247)
contains.

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Color

**XYZ(21.0213, 9.9630,
57.3150)**

Conversions

Conversions Part 1

Format	Color
Hex	8714CB
RGB	135, 20, 203
RGB Percent	53%, 8%, 80%
CMY	0.4706, 0.9216, 0.2039
CMYK	0.33, 0.90, 0.00, 0.20
HSL	278°, 82%, 44%
HSV	278°, 90%, 80%
XYZ	21.0213, 9.9630, 57.3150
YIQ	75.2470, 9.7970, 81.2930

Conversions

Conversions Part 2

Format	Color
RYB	135, 20, 203
Decimal	8852683
CIELab	37.78, 70.58, -68.77
CIELCh	38, 98.543, 315.745
Yxy	9.9630, 0.2381, 0.1128
Android (android.graphics.Color)	4287042763 (0xFF8714CB)
YUV	75.2470, 62.9822, 52.4034
Hunter-Lab	31.5642, 63.6410, -85.5651

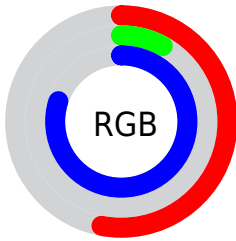
Details

The XYZ color **21.0213, 9.9630, 57.3150** is a dark color, and the websafe version is hex **9900CC**.

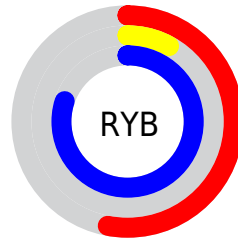
The color can be described as dark washed purple. A complement of this color would be **25.5067, 44.8372, 7.9720**, and the grayscale version is **6.6216, 6.9664, 7.5864**.

A 20% lighter version of the original color is **43.6259, 25.3449, 97.2005**, and **8.2470, 3.6431, 27.8723** is the 20% darker color. If you saturate the color by 10%, you get **19.6172, 8.8678, 57.1778**, and if you desaturate by 10%, it is **22.7978, 11.6490, 57.5470**.

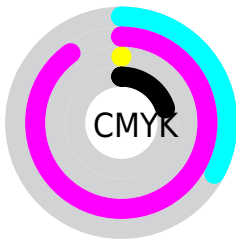
Distribution



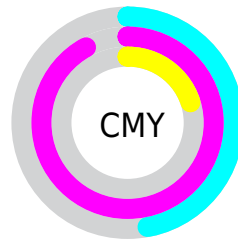
- Red (53%)
- Green (8%)
- Blue (80%)



- Red (53%)
- Yellow (8%)
- Blue (80%)



- Cyan (33%)
- Magenta (90%)
- Yellow (0%)
- Black (20%)




- Cyan (47%)
- Magenta (92%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0213, 9.9630, 57.3150 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 21.0213, 9.9630, 57.3150 by changing the saturation by 10% instead.


 21.0213, 9.9630,
57.3150


 21.0213, 9.9630,
57.3150


250.1212,
190.4078, 432.1554


 13.2521, 5.3744,
40.8472


 44.6140, 25.7259,
102.4296


 7.6806, 2.4686,
27.8809


 61.1682, 37.6690,
131.9134


 3.9413, 0.8608,
17.9976


 81.3815, 52.8324,
166.5729

 1.6690, 0.0000,
10.7789

 105.6192, 71.6005,
206.8267

 0.4367, 0.0000,
5.8060

 134.2467, 94.3577,
253.0933

 0.0000, 0.0000,
2.6606

 167.6293,

 0.0000, 0.0000,

121.4884, 305.7912

0.9235

206.1323,
153.3769, 365.3391

■ 0.0000, 0.0000,
0.0000

■ 21.0213, 9.9630,
57.3150

■ 21.0213, 9.9630,
57.3150

■ 19.6172, 8.8678,
57.1778

■ 22.7978, 11.6490,
57.5470

■ 25.0211, 14.0994,
57.9028

■ 27.7429, 17.4139,
58.3991

■ 31.0063, 21.6765,
59.0499

■ 34.8493, 26.9610,
59.8673

■ 39.3062, 33.3336,
60.8625

■ 44.4085, 40.8549,
62.0453

■ 50.1853, 49.5810,
63.4251

■ 56.6637, 59.5641,
65.0106

Harmonies

Analogous

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



13.1395, 9.9630, 89.8064



21.0213, 9.9630, 57.3150



26.6608, 9.9630, 21.7883

Triad

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



21.0213, 9.9630, 57.3150



12.7656, 9.9630, 0.0000



1.9530, 9.9630, 23.2013

Complementary

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



21.0213, 9.9630, 57.3150



25.5067, 44.8372, 7.9720

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.



1.9247, 9.9630, 4.3656



21.0213, 9.9630, 57.3150



6.5557, 9.9630, 0.0000

Square

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



21.0213, 9.9630, 57.3150



20.6455, 9.9630, 0.0000



3.1858, 9.9630, 0.0000



3.2945, 9.9630, 59.2667

Rectangle

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



21.0213, 9.9630, 57.3150



27.2861, 9.9630, 7.7408



3.1858, 9.9630, 0.0000



1.8191, 9.9630, 14.6920

Sweetspot

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



21.0219, 9.9633, 57.3153



68.0869, 59.1278, 102.4320



14.7370, 11.7984, 58.0007



13.9728, 11.7804, 21.7873



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.



21.0219, 9.9633, 57.3153



32.5970, 14.7192, 95.7308



33.2863, 16.5599, 45.5088



11.2678, 11.1874, 14.1359



12.5877, 5.6967, 36.3924



0.7315, 0.3362, 1.8813

Inverse Universe

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



26.6403, 13.9015, 10.5115



43.2943, 22.0817, 12.7476



22.0509, 43.0233, 9.2723



11.3818, 11.2815, 12.5453



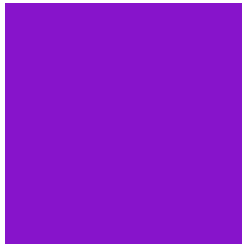
16.5318, 8.4233, 5.2530



0.8893, 0.4491, 0.4629

Previews

White Background



This preview shows how the XYZ color 21.0213, 9.9630, 57.3150 looks on a white background.

Color Contrast Check

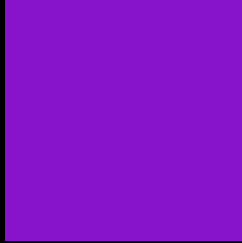
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 21.0213, 9.9630, 57.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

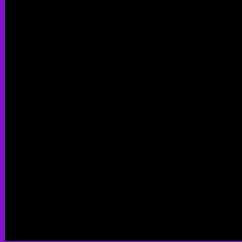
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0213, 9.9630, 57.3150

Background



This preview shows how black text looks on a background with the XYZ color 21.0213, 9.9630, 57.3150.



This preview shows how white text looks on a background with the XYZ color 21.0213, 9.9630,

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

21.0213, 9.9630, 57.3150

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9987, 10.1229, 33.7747



Tritanopia

11.6022, 10.1504, 10.3645

Trichromacy



Original Color

21.0213, 9.9630, 57.3150



Protanomaly

12.3384, 7.9257, 49.5947



Deuteranomaly

10.8548, 7.6054, 40.9403



Tritanomaly

13.5525, 8.8505, 21.7629

Monochromacy



Original Color

21.0213, 9.9630, 57.3150



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

9.8088, 6.6789, 19.1845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0213, 9.9630, 57.3150 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, 20, 203)` looks like.

```
.text, #text, p{  
    color:rgb(135, 20, 203)  
}
```

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, 20, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 20, 203) }
```

Border

The CSS property to change the border of an element to XYZ 21.0213, 9.9630, 57.3150 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, 20, 203) }
```


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

```
.border{ border-color:rgb(135, 20, 203) }
```

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

Here you see how a box with a 4 pixel rgb(135, 20, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 20, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 20, 203);  
box-shadow:4px 4px 4px 4px rgb(135, 20,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0213, 9.9630, 57.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 20, 203) }
```

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

```
.background{ background-color: rgb(135, 20,  
203) }
```

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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