

Converting Colors

XYZ(20.1851, 9.1047, 59.7258)

Have a look what the booklet for
XYZ(20.1851, 9.1047, 59.7258)
contains.

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Color

**XYZ(20.1646, 9.0942,
59.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	8000CF
RGB	128, 0, 207
RGB Percent	50%, 0%, 81%
CMY	0.4980, 1.0000, 0.1882
CMYK	0.38, 1.00, 0.00, 0.19
HSL	277°, 100%, 41%
HSV	277°, 100%, 81%
XYZ	20.1646, 9.0942, 59.7240
YIQ	61.8700, 9.8410, 91.5130

Conversions

Conversions Part 2

Format	Color
R_{YB}	128, 0, 207
Decimal	8388815
CIE Lab	36.17, 73.36, -73.78
CIE LCh	36, 104.042, 314.837
Yxy	9.0942, 0.2266, 0.1022
Android (android.graphics.Color)	4286578895 (0xFF8000CF)
YUV	61.8700, 71.5491, 57.9960
Hunter-Lab	30.1566, 66.5823, -96.3120

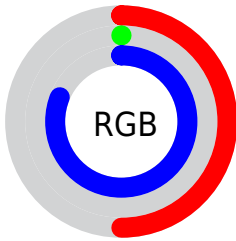
Details

The XYZ color **20.1646, 9.0942, 59.7240** is a dark color, and the websafe version is hex **6600CC**.

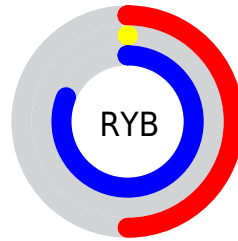
The color can be described as dark washed purple. A complement of this color would be **25.5370, 46.2879, 7.5885**, and the grayscale version is **4.4598, 4.6921, 5.1097**.

A 20% lighter version of the original color is **41.5134, 23.3601, 96.9287**, and **7.9007, 3.4277, 29.5233** is the 20% darker color. If you saturate the color by 10%, you get **20.1652, 9.0945, 59.7242**, and if you desaturate by 10%, it is **21.6629, 10.2565, 59.8696**.

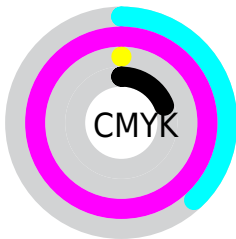
Distribution



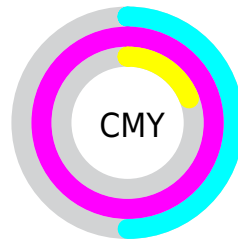
- Red (50%)
- Green (0%)
- Blue (81%)



- Red (50%)
- Yellow (0%)
- Blue (81%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)




- Cyan (50%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1646, 9.0942, 59.7240 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 20.1646, 9.0942, 59.7240 by changing the saturation by 10% instead.

 20.1646, 9.0942,
59.7240

 20.1646, 9.0942,
59.7240


245.6214,
184.0791, 441.3561


 12.6237, 4.8027,
42.7724


 43.1948, 24.0772,
105.9686


 7.2452, 2.1320,
29.3765


 59.4148, 35.5375,
136.0987


 3.6636, 0.6825,
19.1178


 79.2586, 50.1562,
171.4587

 1.5136, 0.0000,
11.5777

 103.0915, 68.3176,
212.4671

 0.3351, 0.0000,
6.3378

 131.2789, 90.4063,
259.5426

 0.0000, 0.0000,
2.9795

 164.1861,

 0.0000, 0.0000,

116.8064, 313.1035

1.0842

202.1785,
147.9026, 373.5685

0.0000, 0.0000,
0.0000

20.1646, 9.0942,
59.7240

20.1646, 9.0942,
59.7240

20.1652, 9.0945,
59.7242

21.6629, 10.2565,
59.8696

23.5366, 12.0303,
60.1132

25.8839, 14.6079,
60.4870

28.7583, 18.0936,
61.0083

32.2053, 22.5756,
61.6918

■ 36.2648, 28.1310,
62.5501

■ 40.9729, 34.8296,
63.5949

■ 46.3626, 42.7348,
64.8367

■ 52.4646, 51.9053,
66.2852

Harmonies

Analogous

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



12.0949, 9.0942, 94.1106



20.1646, 9.0942, 59.7240



26.1671, 9.0942, 21.8840

Triad

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



20.1646, 9.0942, 59.7240



12.1773, 9.0942, 0.0000



1.4595, 9.0942, 21.5660

Complementary

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



20.1646, 9.0942, 59.7240



25.5370, 46.2879, 7.5885

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.



1.4649, 9.0942, 3.3591



20.1646, 9.0942, 59.7240



5.9208, 9.0942, 0.0000

Square

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



20.1646, 9.0942, 59.7240



20.2494, 9.0942, 0.0000



2.6435, 9.0942, 0.0000



2.6217, 9.0942, 59.2683

Rectangle

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



20.1646, 9.0942, 59.7240



26.9597, 9.0942, 7.2777



2.6435, 9.0942, 0.0000



1.3530, 9.0942, 13.0918

Sweetspot

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



20.1652, 9.0945, 59.7242



65.3732, 55.3975, 101.8550



14.0838, 10.1476, 60.2480



13.2790, 10.8337, 21.6412



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.



20.1652, 9.0945, 59.7242



32.0888, 14.4573, 95.7070



34.2639, 16.6781, 46.1313



11.8556, 11.7744, 14.8915



12.8132, 5.7857, 37.6339



0.8033, 0.3683, 2.1083

Inverse Universe

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



27.1434, 13.8299, 8.6353



43.4124, 22.1289, 13.3695



22.4793, 44.6924, 8.3141



11.9928, 11.8818, 13.2376



17.1443, 8.7306, 5.6661



0.9968, 0.5035, 0.5182

Previews

White Background



This preview shows how the XYZ color 20.1646, 9.0942, 59.7240 looks on a white background.

Color Contrast Check

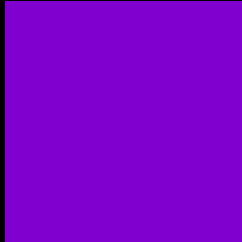
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1646, 9.0942, 59.7240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

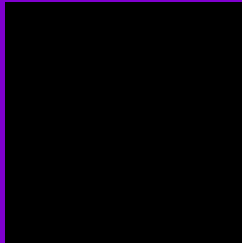
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1646, 9.0942, 59.7240

Background



This preview shows how black text looks on a background with the XYZ color 20.1646, 9.0942, 59.7240.



This preview shows how white text looks on a background with the XYZ color 20.1646, 9.0942,

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

20.1646, 9.0942, 59.7240

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.4059, 9.6122, 31.4966



Tritanopia

10.3716, 9.5160, 10.3070

Trichromacy



Original Color

20.1646, 9.0942, 59.7240

Protanomaly

11.5225, 6.7814, 48.2786

Deuteranomaly

10.1782, 6.5477, 40.2625

Tritanomaly

12.1348, 7.6054, 22.3011

Monochromacy



Original Color

20.1646, 9.0942, 59.7240

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6578, 4.6673, 16.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1646, 9.0942, 59.7240 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(128, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 207)  
}
```

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(128, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 20.1646, 9.0942, 59.7240 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(128, 0, 207) }
```


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

```
.border{ border-color:rgb(128, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1646, 9.0942, 59.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 207) }
```

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

```
.background{ background-color: rgb(128, 0,  
207) }
```

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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