

Converting Colors

XYZ(20.2313, 9.1547, 58.5499)

Have a look what the booklet for
XYZ(20.2313, 9.1547, 58.5499)
contains.

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Color

**XYZ(20.2254, 9.1536,
58.4584)**

Conversions

Conversions Part 1

Format	Color
Hex	8200CD
RGB	130, 0, 205
RGB Percent	51%, 0%, 80%
CMY	0.4902, 1.0000, 0.1961
CMYK	0.37, 1.00, 0.00, 0.20
HSL	278°, 100%, 40%
HSV	278°, 100%, 80%
XYZ	20.2254, 9.1536, 58.4584
YIQ	62.2400, 11.6750, 91.3150

Conversions

Conversions Part 2

Format	Color
RYB	130, 0, 205
Decimal	8519885
CIELab	36.28, 73.17, -72.42
CIELCh	36, 102.947, 315.297
Yxy	9.1536, 0.2303, 0.1042
Android (android.graphics.Color)	4286709965 (0xFF8200CD)
YUV	62.2400, 70.3807, 59.4255
Hunter-Lab	30.2549, 66.3811, -93.3814

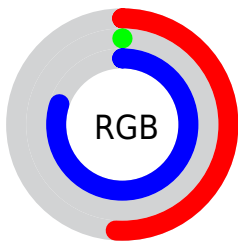
Details

The XYZ color **20.2254, 9.1536, 58.4584** is a dark color, and the websafe version is hex **9900CC**.

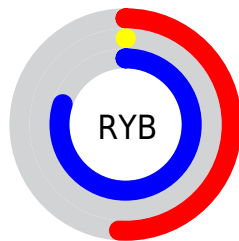
The color can be described as dark washed purple. A complement of this color would be **24.7328, 45.1585, 7.4129**, and the grayscale version is **4.5141, 4.7492, 5.1719**.

A 20% lighter version of the original color is **42.0812, 23.7591, 96.9758**, and **7.8791, 3.4351, 28.6815** is the 20% darker color. If you saturate the color by 10%, you get **20.2260, 9.1539, 58.4586**, and if you desaturate by 10%, it is **21.6778, 10.2869, 58.6008**.

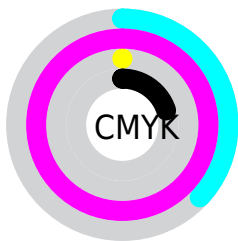
Distribution



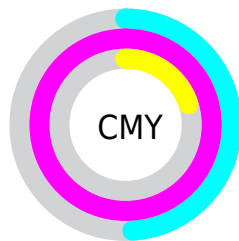
- Red (51%)
- Green (0%)
- Blue (80%)



- Red (51%)
- Yellow (0%)
- Blue (80%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (49%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2254, 9.1536, 58.4584 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 20.2254, 9.1536, 58.4584 by changing the saturation by 10% instead.


 20.2254, 9.1536,
58.4584


 20.2254, 9.1536,
58.4584


245.9431,
184.5196, 436.5377


 12.6682, 4.8415,
41.7601


 43.2958, 24.1908,
104.1115


 7.2759, 2.1546,
28.5894


 59.5398, 35.6848,
133.9033


 3.6831, 0.6951,
18.5275


 79.4100, 50.3414,
168.8969

 1.5245, 0.0000,
11.1560

 103.2719, 68.5452,
209.5105

 0.3424, 0.0000,
6.0564

 131.4908, 90.6806,
256.1629

 0.0000, 0.0000,
2.8101

 164.4321,

 0.0000, 0.0000,

117.1318, 309.2726

0.9985

202.4611,
148.2834, 369.2580

0.0000, 0.0000,
0.0000

20.2254, 9.1536,
58.4584

20.2254, 9.1536,
58.4584

20.2260, 9.1539,
58.4586

21.6778, 10.2869,
58.6008

23.4900, 12.0137,
58.8386

25.7582, 14.5229,
59.2034

28.5344, 17.9162,
59.7120

31.8628, 22.2794,
60.3788

■ 35.7820, 27.6879,
61.2162

■ 40.3272, 34.2095,
62.2354

■ 45.5304, 41.9061,
63.4468

■ 51.4214, 50.8350,
64.8597

Harmonies

Analogous

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



12.2404, 9.1536, 92.5235



20.2254, 9.1536, 58.4584



26.0815, 9.1536, 21.3902

Triad

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



20.2254, 9.1536, 58.4584



12.0913, 9.1536, 0.0000



1.5224, 9.1536, 21.9634

Complementary

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



20.2254, 9.1536, 58.4584



24.7328, 45.1585, 7.4129

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.



1.5124, 9.1536, 3.5688



20.2254, 9.1536, 58.4584



5.9183, 9.1536, 0.0000

Square

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



20.2254, 9.1536, 58.4584



20.0726, 9.1536, 0.0000



2.6791, 9.1536, 0.0000



2.7191, 9.1536, 59.2752

Rectangle

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



20.2254, 9.1536, 58.4584



26.7939, 9.1536, 7.1350



2.6791, 9.1536, 0.0000



1.4091, 9.1536, 13.4632

Sweetspot

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



20.2260, 9.1539, 58.4586



65.7529, 55.5932, 101.8728



13.5469, 9.4626, 58.8703



13.3695, 10.8804, 21.6454



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.



20.2260, 9.1539, 58.4586



32.8918, 14.8712, 95.7446



33.1794, 16.1802, 43.3187



11.2741, 11.1906, 14.1362



12.6989, 5.7541, 36.3976



0.7367, 0.3389, 1.8815

Inverse Universe

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



26.4468, 13.4871, 7.8654



43.2286, 22.0554, 12.4017



22.0331, 43.7435, 8.3393



11.3791, 11.2804, 12.5312



16.5061, 8.4130, 5.1178



0.8878, 0.4485, 0.4550

Previews

White Background



This preview shows how the XYZ color 20.2254, 9.1536, 58.4584 looks on a white background.

Color Contrast Check

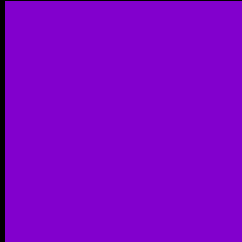
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2254, 9.1536, 58.4584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

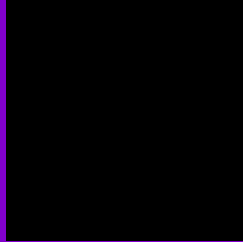
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2254, 9.1536, 58.4584

Background



This preview shows how black text looks on a background with the XYZ color 20.2254, 9.1536, 58.4584.



This preview shows how white text looks on a background with the XYZ color 20.2254, 9.1536,

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

20.2254, 9.1536, 58.4584

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.4059, 9.6122, 31.4966



Tritanopia

10.6118, 9.5350, 10.0852

Trichromacy



Original Color

20.2254, 9.1536, 58.4584



Protanomaly

11.5686, 6.8735, 48.2939



Deuteranomaly

10.0818, 6.5092, 39.7547



Tritanomaly

12.2165, 7.5975, 21.5915

Monochromacy



Original Color

20.2254, 9.1536, 58.4584



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.6933, 4.6922, 16.4198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2254, 9.1536, 58.4584 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(130, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 205)  
}
```

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(130, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 20.2254, 9.1536, 58.4584 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(130, 0, 205) }
```


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

```
.border{ border-color:rgb(130, 0, 205) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2254, 9.1536, 58.4584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 205) }
```

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

```
.background{ background-color: rgb(130, 0,  
205) }
```

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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