

Converting Colors

XYZ(20.3530, 9.4744, 65.4559)

Have a look what the booklet for
XYZ(20.3530, 9.4744, 65.4559)
contains.

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Color

**XYZ(20.4086, 9.4873,
65.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	7815D8
RGB	120, 21, 216
RGB Percent	47%, 8%, 85%
CMY	0.5294, 0.9177, 0.1529
CMYK	0.44, 0.90, 0.00, 0.15
HSL	270°, 82%, 46%
HSV	270°, 90%, 85%
XYZ	20.4086, 9.4873, 65.7213
YIQ	72.8310, -3.5910, 81.6330

Conversions

Conversions Part 2

Format	Color
R _Y B	120, 21, 216
Decimal	7869912
CIE Lab	36.91, 71.36, -77.81
CIE LCh	37, 105.577, 312.527
Yxy	9.4873, 0.2134, 0.0992
Android (android.graphics.Color)	4286059992 (0xFF7815D8)
YUV	72.8310, 70.5823, 41.3672
Hunter-Lab	30.8015, 64.3689, -104.9465

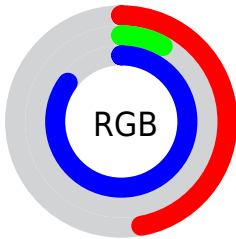
Details

The XYZ color **20.4086, 9.4873, 65.7213** is a dark color, and the websafe version is hex **6600CC**.

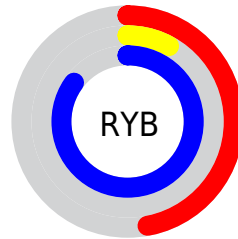
The color can be described as dark washed purple. A complement of this color would be **32.0266, 52.9475, 9.2413**, and the grayscale version is **6.1854, 6.5076, 7.0867**.

A 20% lighter version of the original color is **40.3546, 23.5408, 97.0246**, and **7.9207, 3.3503, 33.4869** is the 20% darker color. If you saturate the color by 10%, you get **18.7838, 8.2516, 65.5687**, and if you desaturate by 10%, it is **22.5481, 11.4530, 65.9882**.

Distribution



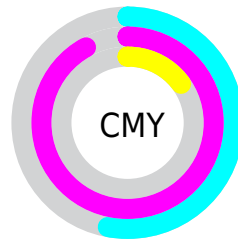
- Red (47%)
- Green (8%)
- Blue (85%)



- Red (47%)
- Yellow (8%)
- Blue (85%)



- Cyan (44%)
- Magenta (90%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (92%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4086, 9.4873, 65.7213 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 20.4086, 9.4873, 65.7213 by changing the saturation by 10% instead.

20.4086, 9.4873,
65.7213

20.4086, 9.4873,
65.7213

246.9102,
186.9727, 463.7565

12.8024, 5.0604,
47.5911

43.5999, 24.8266,
114.7094

7.3687, 2.2827,
33.1455

59.9157, 36.5078,
146.4045

3.7421, 0.7645,
21.9659

79.8655, 51.3758,
183.4582

1.5573, 0.0000,
13.6338

103.8145, 69.8151,
226.2892

0.3643, 0.0000,
7.7306

132.1281, 92.2100,
275.3160

0.0000, 0.0000,
3.8377

165.1717,

0.0000, 0.0000,

118.9450, 330.9571

1.5368

203.3106,
150.4044, 393.6311

■ 0.0000, 0.0000,
0.2451

■ 0.0000, 0.0000,
0.0000

■ 20.4086, 9.4873,
65.7213

■ 20.4086, 9.4873,
65.7213

■ 18.7838, 8.2516,
65.5687

■ 22.5481, 11.4530,
65.9882

■ 25.2700, 14.3336,
66.4008

■ 28.6374, 18.2475,
66.9787

■ 32.7038, 23.2944,
67.7386

■ 37.5162, 29.5617,
68.6946

■ 43.1171, 37.1283,
69.8599

■ 49.5457, 46.0659,
71.2462

■ 56.8381, 56.4411,
72.8645

■ 65.0284, 68.3159,
74.7249

Harmonies

Analogous

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



12.0158, 9.4873, 99.8063



20.4086, 9.4873, 65.7213



27.0159, 9.4873, 25.2760

Triad

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



20.4086, 9.4873, 65.7213



13.3248, 9.4873, 0.0000



1.4844, 9.4873, 20.2266

Complementary

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



20.4086, 9.4873, 65.7213



32.0266, 52.9475, 9.2413

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.



1.5700, 9.4873, 2.8695



20.4086, 9.4873, 65.7213



6.5645, 9.4873, 0.0000

Square

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



20.4086, 9.4873, 65.7213



21.7545, 9.4873, 0.0000



2.9246, 9.4873, 0.0000



2.5785, 9.4873, 58.4894

Rectangle

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



20.4086, 9.4873, 65.7213



28.2087, 9.4873, 8.8279



2.9246, 9.4873, 0.0000



1.4002, 9.4873, 11.9937

Sweetspot

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



20.4092, 9.4875, 65.7216



65.4917, 57.7899, 102.3105



19.2413, 18.1921, 67.4633



13.3608, 11.4649, 21.7587



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.



20.4092, 9.4875, 65.7216



27.1746, 11.9239, 95.4770



40.9818, 20.0931, 66.6843



12.3376, 12.3155, 15.6644



11.2430, 4.9485, 38.8157



0.7736, 0.3477, 2.3456

Inverse Universe

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



31.7977, 16.4195, 18.3212



44.9757, 22.7543, 21.6021



25.0005, 49.3254, 8.9125



12.6755, 12.5217, 14.2316



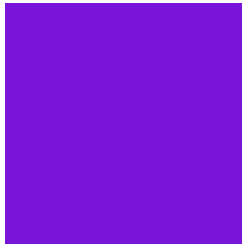
18.3663, 9.2829, 9.2331



1.1495, 0.5766, 0.7768

Previews

White Background



This preview shows how the XYZ color 20.4086, 9.4873, 65.7213 looks on a white background.

Color Contrast Check

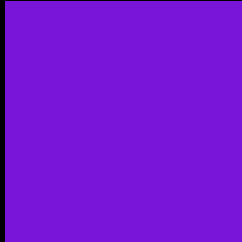
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4086, 9.4873, 65.7213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

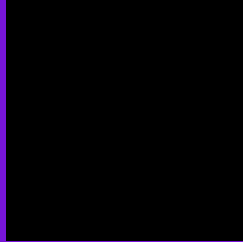
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4086, 9.4873, 65.7213

Background



This preview shows how black text looks on a background with the XYZ color 20.4086, 9.4873, 65.7213.



This preview shows how white text looks on a background with the XYZ color 20.4086, 9.4873,

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

20.4086, 9.4873, 65.7213

Protanopia

11.2844, 9.7114, 43.3992

Deuteranopia

9.4059, 9.6122, 31.4966



Tritanopia

9.5739, 9.6524, 11.4837

Trichromacy



Original Color

20.4086, 9.4873, 65.7213



Protanomaly

12.2758, 7.7865, 50.7251



Deuteranomaly

10.7655, 7.4507, 41.9450



Tritanomaly

11.7175, 8.0762, 24.6082

Monochromacy



Original Color

20.4086, 9.4873, 65.7213



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

9.2373, 6.2927, 20.1298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4086, 9.4873, 65.7213 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(120, 21, 216)` looks like.

```
.text, #text, p{  
    color:rgb(120, 21, 216)  
}
```

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(120, 21, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 21, 216) }
```

Border

The CSS property to change the border of an element to XYZ 20.4086, 9.4873, 65.7213 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(120, 21, 216) }
```


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

```
.border{ border-color:rgb(120, 21, 216) }
```

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

Here you see how a box with a 4 pixel rgb(120, 21, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 21, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 21, 216);  
box-shadow:4px 4px 4px 4px rgb(120, 21,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4086, 9.4873, 65.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 21, 216) }
```

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

```
.background{ background-color: rgb(120, 21,  
216) }
```

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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