

Converting Colors

XYZ(20.7836, 10.4426, 24.9026)

Have a look what the booklet for
XYZ(20.7836, 10.4426, 24.9026)
contains.

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Color

**XYZ(20.6946, 10.3921,
24.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	A70F8A
RGB	167, 15, 138
RGB Percent	65%, 6%, 54%
CMY	0.3451, 0.9411, 0.4588
CMYK	0.00, 0.91, 0.17, 0.35
HSL	311°, 84%, 36%
HSV	311°, 91%, 65%
XYZ	20.6946, 10.3921, 24.9599
YIQ	74.4700, 51.1090, 70.4770

Conversions

Conversions Part 2

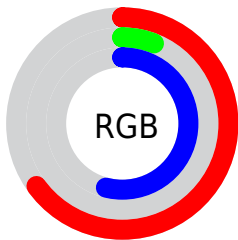
Format	Color
RYB	167, 15, 138
Decimal	10948490
CIELab	38.54, 65.72, -28.37
CIElCh	39, 71.588, 336.650
Yxy	10.3921, 0.3692, 0.1854
Android (android.graphics.Color)	4289138570 (0xFFA70F8A)
YUV	74.4700, 31.3203, 81.1488
Hunter-Lab	32.2368, 58.1748, -23.3406

Details

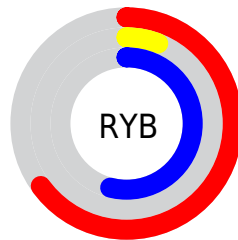
The XYZ color **20.6946, 10.3921, 24.9599** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **14.4710, 27.9213, 7.0111**, and the grayscale version is **6.5337, 6.8739, 7.4857**.

A 20% lighter version of the original color is **44.2062, 26.6301, 52.6794**, and **8.1919, 4.0196, 9.5766** is the 20% darker color. If you saturate the color by 10%, you get **20.3191, 9.9686, 23.8247**, and if you desaturate by 10%, it is **21.2670, 11.1620, 26.3058**.

Distribution



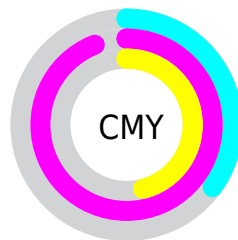
- Red (65%)
- Green (6%)
- Blue (54%)



- Red (65%)
- Yellow (6%)
- Blue (54%)



- Cyan (0%)
- Magenta (91%)
- Yellow (17%)
- Black (35%)



- Cyan (35%)
- Magenta (94%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6946, 10.3921, 24.9599 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 20.6946, 10.3921, 24.9599 by changing the saturation by 10% instead.

■ 20.6946, 10.3921,
24.9599

■ 20.6946, 10.3921,
24.9599

248.4135,
193.4481, 291.0795

■ 13.0121, 5.6597,
15.8284

■ 44.0738, 26.5304,
52.5555

■ 7.5140, 2.6393,
9.2498

■ 60.5013, 38.7052,
71.8567

■ 3.8347, 0.9465,
4.8054

■ 80.5745, 54.1294,
95.3848

■ 1.6091, 0.0000,
2.0768

■ 104.6587, 73.1877,
123.5585

■ 0.3983, 0.0000,
0.6019

■ 133.1194, 96.2643,
156.7963

■ 0.0000, 0.0000,
0.0000

■ 166.3219,

123.7436, 195.5167

204.6314,
156.0101, 240.1382

■ 20.6946, 10.3921,
24.9599

■ 20.6946, 10.3921,
24.9599

■ 20.3191, 9.9686,
23.8247

■ 21.2670, 11.1620,
26.3058

■ 22.0731, 12.3887,
27.7633

■ 23.1440, 14.1337,
29.3429

■ 24.5053, 16.4486,
31.0536

■ 26.1798, 19.3787,
32.9032

■ 28.1879, 22.9649,
34.8988

■ 30.5484, 27.2443,
37.0469

■ 33.2784, 32.2514,
39.3534

■ 36.3942, 38.0184,
41.8240

Harmonies

Analogous

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



16.3026, 10.3921, 47.2931



20.6946, 10.3921, 24.9599



21.8252, 10.3921, 8.5784

Triad

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



20.6946, 10.3921, 24.9599



8.8687, 10.3921, 0.0000



4.2623, 10.3921, 34.8154

Complementary

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



20.6946, 10.3921, 24.9599



14.4710, 27.9213, 7.0111

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.



3.3520, 10.3921, 14.5799



20.6946, 10.3921, 24.9599



5.4106, 10.3921, 0.6299

Square

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



20.6946, 10.3921, 24.9599



13.9030, 10.3921, 0.0502



3.6930, 10.3921, 3.8521



6.7151, 10.3921, 55.4919

Rectangle

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



20.6946, 10.3921, 24.9599



20.3370, 10.3921, 3.2311



3.6930, 10.3921, 3.8521



3.8082, 10.3921, 27.3167

Sweetspot

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



20.6950, 10.3926, 24.9601



51.8967, 43.6808, 63.8234



8.1374, 3.6431, 36.8337



11.3193, 9.2439, 14.0077



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.6950, 10.3926, 24.9601



36.3174, 17.8240, 42.2857



17.0088, 8.9181, 5.5488



7.7796, 7.6417, 9.1566



15.5654, 7.6349, 18.3207



0.3941, 0.1919, 0.5266

Inverse Universe

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



20.6950, 10.3926, 24.9601



36.3174, 17.8240, 42.2857



17.3382, 29.0681, 22.1094



7.7796, 7.6417, 9.1566



15.5654, 7.6349, 18.3207



0.3941, 0.1919, 0.5266

Previews

White Background



This preview shows how the XYZ color 20.6946, 10.3921, 24.9599 looks on a white background.

Color Contrast Check

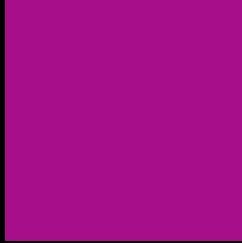
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6946, 10.3921, 24.9599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

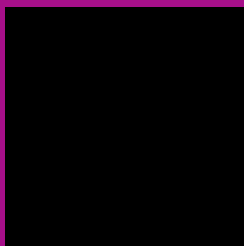
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6946, 10.3921, 24.9599

Background



This preview shows how black text looks on a background with the XYZ color 20.6946, 10.3921, 24.9599.



This preview shows how white text looks on a background with the XYZ color 20.6946, 10.3921,

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

20.6946, 10.3921, 24.9599

Protanopia

12.8666, 10.8625, 50.1337

Deuteranopia

11.0786, 10.7994, 22.6197



Tritanopia

16.7008, 10.6177, 5.3069

Trichromacy



Original Color

20.6946, 10.3921, 24.9599



Protanomaly

10.9978, 7.3776, 39.3725



Deuteranomaly

12.6932, 8.6932, 23.1993



Tritanomaly

17.6586, 10.0770, 10.2469

Monochromacy



Original Color

20.6946, 10.3921, 24.9599



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

9.6151, 6.5974, 12.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6946, 10.3921, 24.9599 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(167, 15, 138)` looks like.

```
.text, #text, p{  
    color:rgb(167, 15, 138)  
}
```

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(167, 15, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 15, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.6946, 10.3921, 24.9599 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(167, 15, 138) }
```


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

```
.border{ border-color:rgb(167, 15, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 15, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 15, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 15, 138);  
box-shadow:4px 4px 4px 4px rgb(167, 15,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6946, 10.3921, 24.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 15, 138) }
```

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

```
.background{ background-color: rgb(167, 15,  
138) }
```

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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