

Converting Colors

XYZ(42.9844, 20.1225, 96.2262)

Have a look what the booklet for
XYZ(42.9844, 20.1225, 96.2262)
contains.

XYZ(42.9844, 20.1225, 96.2262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.9844, 20.1225,
96.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	CC03FF
RGB	204, 3, 255
RGB Percent	80%, 1%, 100%
CMY	0.2000, 0.9882, 0.0000
CMYK	0.20, 0.99, 0.00, 0.00
HSL	288°, 100%, 51%
HSV	288°, 99%, 100%
XYZ	42.9844, 20.1225, 96.2262
YIQ	91.8270, 38.9040, 120.9840

Conversions

Conversions Part 2

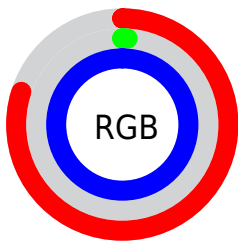
Format	Color
RYB	204, 3, 255
Decimal	13370367
CIELab	51.98, 90.79, -74.73
CIELCh	52, 117.592, 320.543
Yxy	20.1225, 0.2698, 0.1263
Android (android.graphics.Color)	4291560447 (0xFFCC03FF)
YUV	91.8270, 80.4443, 98.3757
Hunter-Lab	44.8581, 92.5424, -95.7837

Details

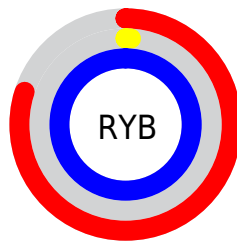
The XYZ color **42.9844, 20.1225, 96.2262** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.2986, 72.3113, 12.0783**, and the grayscale version is **9.9509, 10.4691, 11.4008**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.4057, 9.8709, 53.6004** is the 20% darker color. If you saturate the color by 10%, you get **42.7855, 19.9716, 96.2076**, and if you desaturate by 10%, it is **44.8184, 21.6544, 96.4253**.

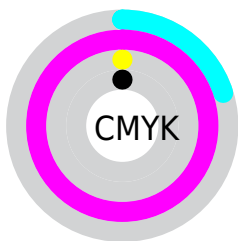
Distribution



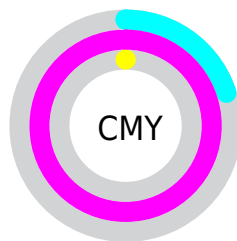
- Red (80%)
- Green (1%)
- Blue (100%)



- Red (80%)
- Yellow (1%)
- Blue (100%)



- Cyan (20%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9844, 20.1225, 96.2262 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 42.9844, 20.1225, 96.2262 by changing the saturation by 10% instead.


 42.9844, 20.1225,
96.2262


 42.9844, 20.1225,
96.2262


349.4702,
252.5775, 569.1674


 30.0673, 12.4841,
72.5534


 78.9432, 43.6225,
157.9677

 20.0380, 7.0743,
53.1213


 102.7156, 60.2528,
196.8735


 12.5311, 3.5086,
37.5112


 130.8372, 80.6493,
241.6941

 7.1812, 1.4027,
25.3047

 163.6733,
105.1964, 292.8480

 3.6230, 0.2187,
16.0831

 201.5893,
134.2783, 350.7537

 1.4912, 0.0000,
9.4280

 244.9506,

 0.3198, 0.0000,

168.2795, 415.8298

4.9208

294.1224,
207.5845, 488.4949

■ 0.0000, 0.0000,
2.1429

■ 0.0000, 0.0000,
0.6411

■ 42.9844, 20.1225,
96.2262

■ 42.9844, 20.1225,
96.2262

■ 42.7855, 19.9716,
96.2076

■ 44.8184, 21.6544,
96.4253

■ 47.1963, 24.2049,
96.7922

■ 50.2430, 28.0223,
97.3685

■ 54.0444, 33.2774,
98.1825

■ 58.6728, 40.1143,
99.2582

■ 64.1916, 48.6594,
100.6167

■ 70.6580, 59.0263,
102.2769

■ 78.1242, 71.3186,
104.2560

■ 86.6382, 85.6322,
106.5701

Harmonies

Analogous

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



28.3980, 20.1225, 159.8626



42.9844, 20.1225, 96.2262



52.0201, 20.1225, 34.6311

Triad

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



42.9844, 20.1225, 96.2262



23.1646, 20.1225, 0.0000



4.6510, 20.1225, 54.1568

Complementary

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



42.9844, 20.1225, 96.2262



37.2986, 72.3113, 12.0783

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.



4.2167, 20.1225, 12.7619



42.9844, 20.1225, 96.2262



12.1298, 20.1225, 0.0000

Square

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



42.9844, 20.1225, 96.2262



37.8101, 20.1225, 0.0000



6.2864, 20.1225, 1.0425



7.9067, 20.1225, 122.4643

Rectangle

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



42.9844, 20.1225, 96.2262



51.8727, 20.1225, 11.9228



6.2864, 20.1225, 1.0425



4.2444, 20.1225, 36.3277

Sweetspot

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



42.9853, 20.1233, 96.2263



69.8417, 57.7011, 102.0641



19.5814, 10.2268, 95.5497



14.3505, 11.3861, 21.6913



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.



42.9853, 20.1233, 96.2263



42.7855, 19.9716, 96.2076



49.8831, 24.7696, 47.2825



18.4114, 18.1038, 22.7740



22.4825, 10.5006, 50.2764



2.2759, 1.0672, 4.8993

Inverse Universe

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



41.9390, 21.5920, 5.4491



41.8510, 21.5044, 5.1477



37.0477, 72.0395, 18.5041



18.1597, 18.0472, 19.4580



21.9101, 11.2533, 2.9113



2.1701, 1.1104, 0.4774

Previews

White Background



This preview shows how the XYZ color 42.9844, 20.1225, 96.2262 looks on a white background.

Color Contrast Check

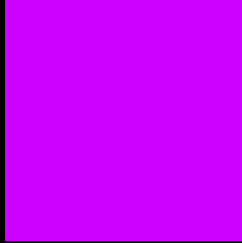
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.9844, 20.1225, 96.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

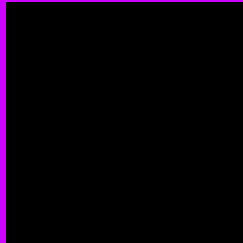
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.9844, 20.1225, 96.2262

Background



This preview shows how black text looks on a background with the XYZ color 42.9844, 20.1225, 96.2262.



This preview shows how white text looks on a background with the XYZ color 42.9844, 20.1225,

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

42.9844, 20.1225, 96.2262

Protanopia

24.7268, 20.8305, 96.4834

Deuteranopia

21.0385, 20.7661, 72.7114



Tritanopia

26.7395, 20.2432, 16.4079

Trichromacy



Original Color

42.9844, 20.1225, 96.2262



Protanomaly

23.4378, 14.0604, 95.2445



Deuteranomaly

20.9127, 13.6405, 80.1279



Tritanomaly

29.8092, 17.4302, 35.5115

Monochromacy



Original Color

42.9844, 20.1225, 96.2262



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.8746, 10.4526, 30.4063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9844, 20.1225, 96.2262 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(204, 3, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 3, 255)  
}
```

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(204, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 3, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9844, 20.1225, 96.2262 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(204, 3, 255) }
```


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

```
.border{ border-color:rgb(204, 3, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 3, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 3,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9844, 20.1225, 96.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 3, 255) }
```

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

```
.background{ background-color: rgb(204, 3,  
255) }
```

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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