

Converting Colors

XYZ(12.9265, 6.4200, 11.6242)

Have a look what the booklet for
XYZ(12.9265, 6.4200, 11.6242)
contains.

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Color

**XYZ(12.9265, 6.4200,
11.6242)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0060
RGB	140, 0, 96
RGB Percent	55%, 0%, 38%
CMY	0.4510, 0.9999, 0.6235
CMYK	0.00, 1.00, 0.31, 0.45
HSL	319°, 100%, 27%
HSV	319°, 100%, 55%
XYZ	12.9265, 6.4200, 11.6242
YIQ	52.8040, 52.6240, 59.5360

Conversions

Conversions Part 2

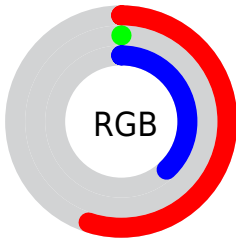
Format	Color
RYB	140, 0, 96
Decimal	9175136
CIELab	30.45, 56.92, -14.79
CIElCh	30, 58.812, 345.430
Yxy	6.4200, 0.4174, 0.2073
Android (android.graphics.Color)	4287365216 (0xFF8C0060)
YUV	52.8040, 21.2956, 76.4709
Hunter-Lab	25.3377, 46.7240, -9.4641

Details

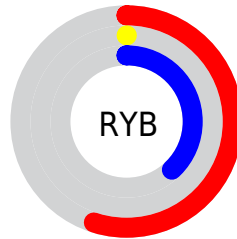
The XYZ color **12.9265, 6.4200, 11.6242** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.8332, 18.9382, 5.5218**, and the grayscale version is **3.3321, 3.5057, 3.8177**.

A 20% lighter version of the original color is **30.6750, 18.7420, 29.6046**, and **4.3220, 2.1616, 3.2070** is the 20% darker color. If you saturate the color by 10%, you get **12.9262, 6.4199, 11.6228**, and if you desaturate by 10%, it is **13.2922, 6.8179, 12.7739**.

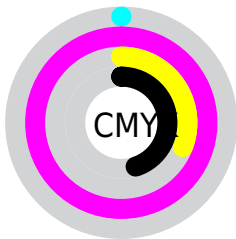
Distribution



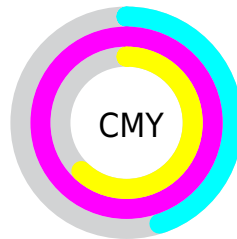
- Red (55%)
- Green (0%)
- Blue (38%)



- Red (55%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9265, 6.4200, 11.6242 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 12.9265, 6.4200, 11.6242 by changing the saturation by 10% instead.

12.9265, 6.4200,
11.6242

12.9265, 6.4200,
11.6242

204.0932,
162.7535, 212.7901

7.4546, 3.1021,
6.3689

30.7741, 18.7965,
29.4629

3.7968, 1.1853,
2.9983

43.8805, 28.6239,
42.8833

1.5879, 0.0496,
1.0938

60.2625, 41.3900,
59.8626

0.3845, 0.0000,
0.0000


80.2854, 57.4790,
80.8193

0.0000, 0.0000,
0.0000

104.3146, 77.2755,
106.1718

132.7154,

101.1638, 136.3388

 165.8531,
129.5284, 171.7387


 12.9265, 6.4200,
11.6242

 12.9265, 6.4200,
11.6242


 12.9262, 6.4199,
11.6228

 13.2922, 6.8179,
12.7739

 13.7705, 7.4226,
14.0180

 14.4150, 8.3411,
15.3753

 15.2449, 9.6114,
16.8528

 16.2767, 11.2661,
18.4571

■ 17.5248, 13.3341,
20.1937

■ 19.0025, 15.8414,
22.0679

■ 20.7219, 18.8120,
24.0844

■ 22.6942, 22.2681,
26.2477

Harmonies

Analogous

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



10.7905, 6.4200, 24.3251



12.9265, 6.4200, 11.6242



12.8920, 6.4200, 3.6412

Triad

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



12.9265, 6.4200, 11.6242



4.7802, 6.4200, 0.0000



3.0527, 6.4200, 24.7027

Complementary

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



12.9265, 6.4200, 11.6242



9.8332, 18.9382, 5.5218

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.



2.2477, 6.4200, 11.9407



12.9265, 6.4200, 11.6242



3.0169, 6.4200, 0.7847

Square

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



12.9265, 6.4200, 11.6242



7.5572, 6.4200, 0.0000



2.2369, 6.4200, 3.7878



4.8468, 6.4200, 35.0001

Rectangle

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



12.9265, 6.4200, 11.6242



11.6162, 6.4200, 1.3238



2.2369, 6.4200, 3.7878



2.6854, 6.4200, 20.2586

Sweetspot

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



12.9267, 6.4204, 11.6243



33.3218, 27.6197, 38.6862



5.6892, 2.3863, 24.9716



7.4456, 5.9678, 8.6253



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.9267, 6.4204, 11.6243



22.7148, 11.2886, 20.0975



11.0251, 5.6597, 1.6109



5.1681, 5.1027, 5.9734



11.4947, 5.7080, 10.3755



0.0830, 0.0406, 0.1039

Inverse Universe

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



12.9267, 6.4204, 11.6243



22.7148, 11.2886, 20.0975



12.3031, 19.9261, 18.5279



5.1681, 5.1027, 5.9734



11.4947, 5.7080, 10.3755



0.0830, 0.0406, 0.1039

Previews

White Background



This preview shows how the XYZ color 12.9265, 6.4200, 11.6242 looks on a white background.

Color Contrast Check

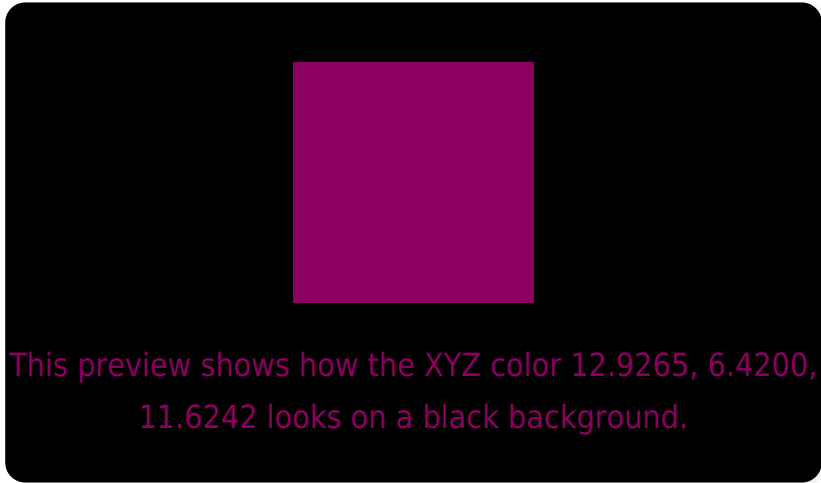
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

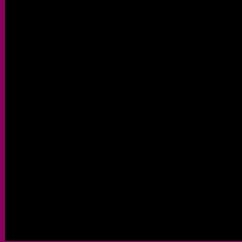
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9265, 6.4200, 11.6242

Background



This preview shows how black text looks on a background with the XYZ color 12.9265, 6.4200, 11.6242.



This preview shows how white text looks on a background with the XYZ color 12.9265, 6.4200,

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

12.9265, 6.4200, 11.6242

Protanopia

7.8942, 7.0848, 24.6184

Deuteranopia

7.1297, 6.9991, 10.6481



Tritanopia

11.2127, 6.7670, 2.6346

Trichromacy



Original Color

12.9265, 6.4200, 11.6242

Protanomaly

7.6317, 4.9788, 18.9711

Deuteranomaly

8.0544, 5.3793, 10.7390

Tritanomaly

11.4588, 6.2979, 4.8866

Monochromacy



Original Color

12.9265, 6.4200, 11.6242

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3925, 3.5050, 6.0225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9265, 6.4200, 11.6242 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(140, 0, 96)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 96)  
}
```

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(140, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.9265, 6.4200, 11.6242 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(140, 0, 96) }
```


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

```
.border{ border-color:rgb(140, 0, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9265, 6.4200, 11.6242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 96) }
```

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

```
.background{ background-color: rgb(140, 0,  
96) }
```

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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