

Converting Colors

XYZ(20.8690, 10.4825, 13.4682)

Have a look what the booklet for
XYZ(20.8690, 10.4825, 13.4682)
contains.

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Color

**XYZ(20.9887, 10.5430,
13.4992)**

Conversions

Conversions Part 1

Format	Color
Hex	B30066
RGB	179, 0, 102
RGB Percent	70%, 0%, 40%
CMY	0.2980, 0.9999, 0.6000
CMYK	0.00, 1.00, 0.43, 0.30
HSL	326°, 100%, 35%
HSV	326°, 100%, 70%
XYZ	20.9887, 10.5430, 13.4992
YIQ	65.1490, 73.9420, 69.6700

Conversions

Conversions Part 2

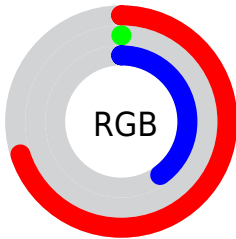
Format	Color
R_{YB}	179, 0, 102
Decimal	11731046
CIE _{Lab}	38.80, 66.01, -5.24
CIE _{LCh}	39, 66.219, 355.457
Yxy	10.5430, 0.4661, 0.2341
Android (android.graphics.Color)	4289921126 (0xFFB30066)
YUV	65.1490, 18.1675, 99.8473
Hunter-Lab	32.4700, 58.5605, -1.9205

Details

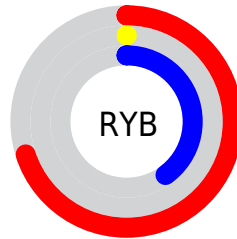
The XYZ color **20.9887, 10.5430, 13.4992** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **17.4609, 32.7766, 12.4324**, and the grayscale version is **5.0147, 5.2758, 5.7454**.

A 20% lighter version of the original color is **44.7022, 26.8598, 32.9654**, and **8.4353, 4.2689, 3.9938** is the 20% darker color. If you saturate the color by 10%, you get **20.9881, 10.5428, 13.4962**, and if you desaturate by 10%, it is **21.6038, 11.1333, 15.6771**.

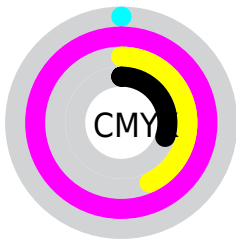
Distribution



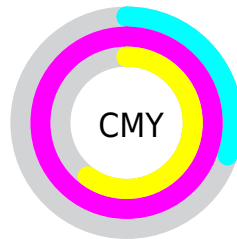
- Red (70%)
- Green (0%)
- Blue (40%)



- Red (70%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9887, 10.5430, 13.4992 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 20.9887, 10.5430, 13.4992 by changing the saturation by 10% instead.

■ 20.9887, 10.5430,
13.4992

■ 20.9887, 10.5430,
13.4992

249.9513,
194.5048, 225.4117

■ 13.2282, 5.7604,
7.6384

■ 44.5601, 26.8119,
32.9020

■ 7.6639, 2.7000,
3.7800

■ 61.1018, 39.0671,
47.2811

■ 3.9306, 0.9772,
1.5055

■ 81.3011, 54.5819,
65.3367

■ 1.6630, 0.0000,
0.2220

■ 105.5235, 73.7408,
87.4874

■ 0.4329, 0.0000,
0.0000

■ 134.1344, 96.9282,
114.1517

■ 0.0000, 0.0000,
0.0000

■ 167.4991,

124.5284, 145.7482

205.9829,
156.9258, 182.6953

■ 20.9887, 10.5430,
13.4992

■ 20.9887, 10.5430,
13.4992

■ 20.9881, 10.5428,
13.4962

■ 21.6038, 11.1333,
15.6771

■ 22.4507, 12.1289,
18.1118

■ 23.6052, 13.6800,
20.8332

■ 25.1039, 15.8584,
23.8576

■ 26.9779, 18.7249,
27.1994

■ 29.2545, 22.3331,
30.8719

■ 31.9585, 26.7311,
34.8870

■ 35.1126, 31.9632,
39.2562

■ 38.7378, 38.0701,
43.9900

Harmonies

Analogous

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



18.6893, 10.5430, 31.3246



20.9887, 10.5430, 13.4992



19.7190, 10.5430, 3.9163

Triad

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



20.9887, 10.5430, 13.4992



6.8172, 10.5430, 0.4969



5.9615, 10.5430, 45.0472

Complementary

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



20.9887, 10.5430, 13.4992



17.4609, 32.7766, 12.4324

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.



4.1749, 10.5430, 25.2938



20.9887, 10.5430, 13.4992



4.5584, 10.5430, 2.5120

Square

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



20.9887, 10.5430, 13.4992



10.7032, 10.5430, 0.0619



3.7486, 10.5430, 9.6721



9.3680, 10.5430, 56.2654

Rectangle

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



20.9887, 10.5430, 13.4992



17.1711, 10.5430, 1.4391



3.7486, 10.5430, 9.6721



5.1955, 10.5430, 38.7065

Sweetspot

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



20.9890, 10.5436, 13.4994



56.9645, 47.4273, 62.0909



11.0074, 4.7350, 42.9816



12.1559, 9.7480, 13.0784



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9890, 10.5436, 13.4994



37.4745, 18.8360, 23.5676



18.6765, 9.6186, 1.3220



8.6924, 8.5837, 9.8787



14.8643, 7.4633, 9.7114



0.4962, 0.2462, 0.4559

Inverse Universe

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



20.9890, 10.5436, 13.4994



37.4745, 18.8360, 23.5676



22.8290, 34.9238, 40.7003



8.6924, 8.5837, 9.8787



14.8643, 7.4633, 9.7114



0.4962, 0.2462, 0.4559

Previews

White Background



This preview shows how the XYZ color 20.9887, 10.5430, 13.4992 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 20.9887, 10.5430, 13.4992 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 20.9887, 10.5430, 13.4992

Background



This preview shows how black text looks on a background with the XYZ color 20.9887, 10.5430, 13.4992.



This preview shows how white text looks on a background with the XYZ color 20.9887, 10.5430,

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

20.9887, 10.5430, 13.4992

Protanopia

11.9176, 11.2167, 29.1407

Deuteranopia

11.3550, 11.1739, 12.1480



Tritanopia

19.0635, 10.9078, 3.1985

Trichromacy



Original Color

20.9887, 10.5430, 13.4992



Protanomaly

12.3428, 8.2114, 22.4071



Deuteranomaly

13.0308, 8.7145, 12.3045



Tritanomaly

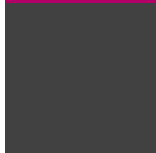
19.3763, 10.4013, 5.6890

Monochromacy



Original Color

20.9887, 10.5430, 13.4992



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.1119, 5.2001, 7.7839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9887, 10.5430, 13.4992 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(179, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(179, 0, 102)  
}
```

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(179, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.9887, 10.5430, 13.4992 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(179, 0, 102) }
```


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

```
.border{ border-color:rgb(179, 0, 102) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(179, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9887, 10.5430, 13.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 102) }
```

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

```
.background{ background-color: rgb(179, 0,  
102) }
```

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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