

Converting Colors

XYZ(20.2291, 10.1586, 13.1380)

Have a look what the booklet for
XYZ(20.2291, 10.1586, 13.1380)
contains.

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Color

**XYZ(20.2535, 10.1697,
13.2074)**

Conversions

Conversions Part 1

Format	Color
Hex	B00065
RGB	176, 0, 101
RGB Percent	69%, 0%, 40%
CMY	0.3098, 0.9999, 0.6039
CMYK	0.00, 1.00, 0.43, 0.31
HSL	326°, 100%, 35%
HSV	326°, 100%, 69%
XYZ	20.2535, 10.1697, 13.2074
YIQ	64.1380, 72.4750, 68.7230

Conversions

Conversions Part 2

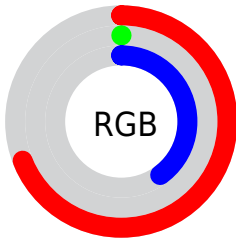
Format	Color
R_{YB}	176, 0, 101
Decimal	11534437
CIE Lab	38.15, 65.26, -5.65
CIE LCh	38, 65.506, 355.053
Yxy	10.1697, 0.4642, 0.2331
Android (android.graphics.Color)	4289724517 (0xFFB00065)
YUV	64.1380, 18.1730, 98.1030
Hunter-Lab	31.8900, 57.5589, -2.2323

Details

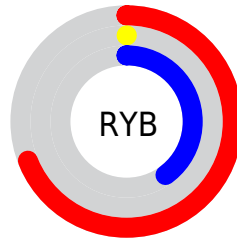
The XYZ color **20.2535, 10.1697, 13.2074** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.7966, 31.5592, 11.8677**, and the grayscale version is **4.8621, 5.1153, 5.5705**.

A 20% lighter version of the original color is **43.2769, 26.1345, 32.4693**, and **8.0020, 4.0482, 3.8497** is the 20% darker color. If you saturate the color by 10%, you get **20.2529, 10.1695, 13.2045**, and if you desaturate by 10%, it is **20.8484, 10.7441, 15.3027**.

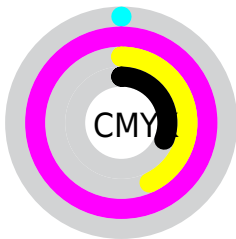
Distribution



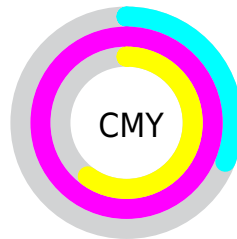
- Red (69%)
- Green (0%)
- Blue (40%)



- Red (69%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (31%)



- Cyan (31%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2535, 10.1697, 13.2074 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 20.2535, 10.1697, 13.2074 by changing the saturation by 10% instead.

■ 20.2535, 10.1697,
13.2074

■ 20.2535, 10.1697,
13.2074

246.0917,
191.8790, 223.4969

■ 12.6888, 5.5116,
7.4391

■ 43.3425, 26.1142,
32.3725

■ 7.2901, 2.5505,
3.6556

■ 59.5975, 38.1694,
46.6064

■ 3.6921, 0.9018,
1.4384

■ 79.4799, 53.4591,
64.4993

■ 1.5295, 0.0000,
0.1714

■ 103.3552, 72.3677,
86.4697

■ 0.3458, 0.0000,
0.0000

■ 131.5887, 95.2796,
112.9361

■ 0.0000, 0.0000,
0.0000

■ 164.5457,

122.5792, 144.3171

202.5915,
154.6509, 181.0312

■ 20.2535, 10.1697,
13.2074

■ 20.2535, 10.1697,
13.2074

■ 20.2529, 10.1695,
13.2045

■ 20.8484, 10.7441,
15.3027

■ 21.6648, 11.7066,
17.6415

■ 22.7765, 13.2033,
20.2527

■ 24.2185, 15.3029,
23.1517

■ 26.0206, 18.0636,
26.3524

■ 28.2090, 21.5370,
29.8673

■ 30.8075, 25.7691,
33.7077

■ 33.8377, 30.8024,
37.8845

■ 37.3199, 36.6760,
42.4078

Harmonies

Analogous

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



17.9899, 10.1697, 30.5113



20.2535, 10.1697, 13.2074



19.0730, 10.1697, 3.8450

Triad

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



20.2535, 10.1697, 13.2074



6.6129, 10.1697, 0.4492



5.7132, 10.1697, 43.2755

Complementary

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



20.2535, 10.1697, 13.2074



16.7966, 31.5592, 11.8677

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.



4.0086, 10.1697, 24.1668



20.2535, 10.1697, 13.2074



4.4117, 10.1697, 2.3686

Square

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



20.2535, 10.1697, 13.2074



10.3850, 10.1697, 0.0354



3.6134, 10.1697, 9.1820



8.9809, 10.1697, 54.3133

Rectangle

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



20.2535, 10.1697, 13.2074



16.6313, 10.1697, 1.4123



3.6134, 10.1697, 9.1820



4.9809, 10.1697, 37.1200

Sweetspot

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



20.2538, 10.1703, 13.2076



55.6003, 46.2854, 60.7428



10.6109, 4.5653, 41.3963



11.6133, 9.3168, 12.5306



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.2538, 10.1703, 13.2076



36.6164, 18.3978, 23.3389



17.9888, 9.2643, 1.2806



8.6939, 8.5843, 9.8863



14.8897, 7.4734, 9.8450



0.4970, 0.2465, 0.4597

Inverse Universe

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



20.2538, 10.1703, 13.2076



36.6164, 18.3978, 23.3389



21.9884, 33.6359, 39.2071



8.6939, 8.5843, 9.8863



14.8897, 7.4734, 9.8450



0.4970, 0.2465, 0.4597

Previews

White Background



This preview shows how the XYZ color 20.2535, 10.1697, 13.2074 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 20.2535, 10.1697, 13.2074 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 20.2535, 10.1697, 13.2074

Background



This preview shows how black text looks on a background with the XYZ color 20.2535, 10.1697, 13.2074.



This preview shows how white text looks on a background with the XYZ color 20.2535, 10.1697,

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

20.2535, 10.1697, 13.2074

Protanopia

11.5244, 10.9042, 28.2854

Deuteranopia

10.9988, 10.8693, 11.8742



Tritanopia

18.3926, 10.5619, 3.1671

Trichromacy



Original Color

20.2535, 10.1697, 13.2074



Protanomaly

11.9059, 7.9261, 21.6713



Deuteranomaly

12.4765, 8.3600, 12.0224



Tritanomaly

18.7004, 10.0528, 5.6574

Monochromacy



Original Color

20.2535, 10.1697, 13.2074



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.9582, 5.1250, 7.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2535, 10.1697, 13.2074 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(176, 0, 101)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 101)  
}
```

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(176, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.2535, 10.1697, 13.2074 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(176, 0, 101) }
```


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

```
.border{ border-color:rgb(176, 0, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2535, 10.1697, 13.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 101) }
```

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

```
.background{ background-color: rgb(176, 0,  
101) }
```

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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