

Converting Colors

XYZ(20.0315, 10.2153, 5.9670)

Have a look what the booklet for
XYZ(20.0315, 10.2153, 5.9670)
contains.

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Color

**XYZ(20.0102, 10.2054,
5.9162)**

Conversions

Conversions Part 1

Format	Color
Hex	B50041
RGB	181, 0, 65
RGB Percent	71%, 0%, 25%
CMY	0.2902, 0.9999, 0.7451
CMYK	0.00, 1.00, 0.64, 0.29
HSL	338°, 100%, 35%
HSV	338°, 100%, 71%
XYZ	20.0102, 10.2054, 5.9162
YIQ	61.5290, 87.0110, 58.5870

Conversions

Conversions Part 2

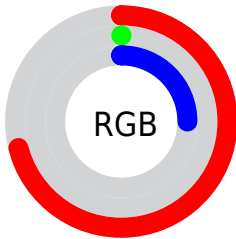
Format	Color
R_{YB}	181, 0, 65
Decimal	11862081
CIE _{Lab}	38.21, 63.79, 17.71
CIE _{LCh}	38, 66.201, 15.518
Yxy	10.2054, 0.5538, 0.2824
Android (android.graphics.Color)	4290052161 (0xFFB50041)
YUV	61.5290, 1.7112, 104.7761
Hunter-Lab	31.9459, 55.9031, 11.3819

Details

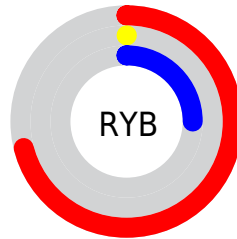
The XYZ color **20.0102, 10.2054, 5.9162** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.6783, 34.3095, 22.1174**, and the grayscale version is **4.5022, 4.7367, 5.1582**.

A 20% lighter version of the original color is **42.8292, 26.1094, 18.1115**, and **7.9106, 4.0590, 1.2307** is the 20% darker color. If you saturate the color by 10%, you get **20.0095, 10.2051, 5.9132**, and if you desaturate by 10%, it is **20.5999, 10.7908, 7.9448**.

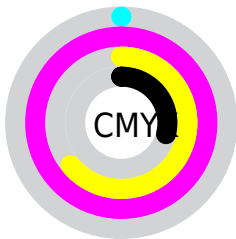
Distribution



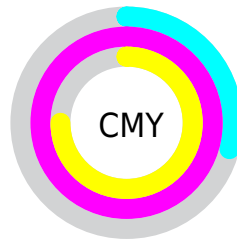
- Red (71%)
- Green (0%)
- Blue (25%)



- Red (71%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0102, 10.2054, 5.9162 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 20.0102, 10.2054, 5.9162 by changing the saturation by 10% instead.

■ 20.0102, 10.2054,
5.9162

■ 20.0102, 10.2054,
5.9162

244.8028,
192.1318, 167.6010

■ 12.5108, 5.5354,
2.7262

■ 42.9381, 26.1811,
18.2314

■ 7.1672, 2.5647,
0.9566

■ 59.0973, 38.2556,
28.1936

■ 3.6141, 0.9089,
0.0000

■ 78.8737, 53.5670,
41.2504

■ 1.4862, 0.0000,
0.0000

■ 102.6328, 72.4997,
57.8203

■ 0.3164, 0.0000,
0.0000

■ 130.7399, 95.4382,
78.3217

■ 0.0000, 0.0000,
0.0000

■ 163.5604,

122.7668, 103.1733

201.4596,
154.8698, 132.7935

■ 20.0102, 10.2054,
5.9162

■ 20.0102, 10.2054,
5.9162

■ 20.0095, 10.2051,
5.9132

■ 20.5999, 10.7908,
7.9448

■ 21.4638, 11.8074,
10.4247

■ 22.6814, 13.4093,
13.4002

■ 24.2930, 15.6710,
16.9013

■ 26.3328, 18.6562,
20.9552

■ 28.8311, 22.4206,
25.5866

■ 31.8155, 27.0149,
30.8188

■ 35.3111, 32.4850,
36.6736

■ 39.3415, 38.8736,
43.1717

Harmonies

Analogous

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



20.0728, 10.2054, 18.1245



20.0102, 10.2054, 5.9162



16.6996, 10.2054, 1.3448

Triad

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



20.0102, 10.2054, 5.9162



4.9265, 10.2054, 1.4200



7.7808, 10.2054, 53.2373

Complementary

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



20.0102, 10.2054, 5.9162



19.6783, 34.3095, 22.1174

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.



4.9939, 10.2054, 37.9065



20.0102, 10.2054, 5.9162



3.7068, 10.2054, 6.1913

Square

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



20.0102, 10.2054, 5.9162



7.6571, 10.2054, 0.1460



3.7271, 10.2054, 18.7020



12.0772, 10.2054, 52.9238

Rectangle

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



20.0102, 10.2054, 5.9162



13.5335, 10.2054, 0.3934



3.7271, 10.2054, 18.7020



6.6687, 10.2054, 49.4306

Sweetspot

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



20.0104, 10.2060, 5.9163



56.6822, 47.9192, 54.6836



15.3643, 6.9576, 44.2490



11.7528, 9.5868, 10.9558



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.



20.0104, 10.2060, 5.9163



35.7380, 18.2378, 10.0701



19.3861, 10.4837, 1.0027



8.6182, 8.5540, 9.4880



13.8247, 7.0475, 4.2371



0.4635, 0.2331, 0.2835

Inverse Universe

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



20.0104, 10.2060, 5.9163



35.7380, 18.2378, 10.0701



20.3759, 27.4065, 47.9319



8.6182, 8.5540, 9.4880



13.8247, 7.0475, 4.2371



0.4635, 0.2331, 0.2835

Previews

White Background



This preview shows how the XYZ color 20.0102, 10.2054, 5.9162 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

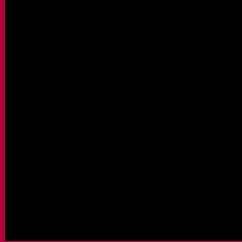
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0102, 10.2054, 5.9162

Background



This preview shows how black text looks on a background with the XYZ color 20.0102, 10.2054, 5.9162.



This preview shows how white text looks on a background with the XYZ color 20.0102, 10.2054,

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

20.0102, 10.2054, 5.9162

Protanopia

10.5088, 10.8602, 12.3688

Deuteranopia

10.9930, 10.8849, 5.3925



Tritanopia

19.3567, 10.5080, 1.8722

Trichromacy



Original Color

20.0102, 10.2054, 5.9162

Protanomaly

11.7684, 8.2036, 9.3507

Deuteranomaly

12.5953, 8.5709, 5.2655

Tritanomaly

19.3890, 10.2507, 2.8761

Monochromacy



Original Color

20.0102, 10.2054, 5.9162

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4484, 4.8132, 5.2391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0102, 10.2054, 5.9162 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(181, 0, 65)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 65)  
}
```

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(181, 0, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 65) }
```

Border

The CSS property to change the border of an element to XYZ 20.0102, 10.2054, 5.9162 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(181, 0, 65) }
```


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

```
.border{ border-color:rgb(181, 0, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 65);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0102, 10.2054, 5.9162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 65) }
```

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

```
.background{ background-color: rgb(181, 0,  
65) }
```

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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