

Converting Colors

XYZ(20.1350, 10.2567, 6.5123)

Have a look what the booklet for
XYZ(20.1350, 10.2567, 6.5123)
contains.

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Color

**XYZ(20.1302, 10.2534,
6.5484)**

Conversions

Conversions Part 1

Format	Color
Hex	B50045
RGB	181, 0, 69
RGB Percent	71%, 0%, 27%
CMY	0.2902, 0.9999, 0.7294
CMYK	0.00, 1.00, 0.62, 0.29
HSL	337°, 100%, 35%
HSV	337°, 100%, 71%
XYZ	20.1302, 10.2534, 6.5484
YIQ	61.9850, 85.7270, 59.8310

Conversions

Conversions Part 2

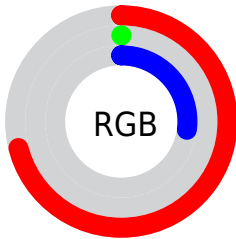
Format	Color
R_{YB}	181, 0, 69
Decimal	11862085
CIE _{Lab}	38.29, 64.02, 15.25
CIE _{LCh}	38, 65.807, 13.400
Yxy	10.2534, 0.5451, 0.2776
Android (android.graphics.Color)	4290052165 (0xFFB50045)
YUV	61.9850, 3.4584, 104.3762
Hunter-Lab	32.0209, 56.1787, 10.2896

Details

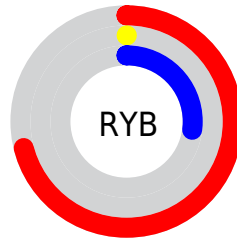
The XYZ color **20.1302, 10.2534, 6.5484** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.4504, 34.2182, 20.9175**, and the grayscale version is **4.5655, 4.8032, 5.2307**.

A 20% lighter version of the original color is **43.1155, 26.2239, 19.6189**, and **7.9436, 4.0722, 1.4043** is the 20% darker color. If you saturate the color by 10%, you get **20.1295, 10.2531, 6.5453**, and if you desaturate by 10%, it is **20.7298, 10.8427, 8.6289**.

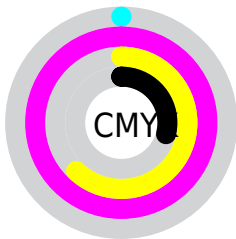
Distribution



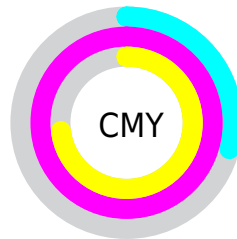
- Red (71%)
- Green (0%)
- Blue (27%)



- Red (71%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1302, 10.2534, 6.5484 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 20.1302, 10.2534, 6.5484 by changing the saturation by 10% instead.


 20.1302, 10.2534,
6.5484


 20.1302, 10.2534,
6.5484


245.4392,
192.4712, 173.3427


 12.5985, 5.5673,
3.1072


 43.1376, 26.2710,
19.5559


 7.2278, 2.5838,
1.1496


 59.3441, 38.3714,
29.9593


 3.6525, 0.9185,
0.0000

 79.1729, 53.7119,
43.5205

 1.5075, 0.0000,
0.0000

 102.9894, 72.6770,
60.6581

 0.3309, 0.0000,
0.0000

 131.1590, 95.6511,
81.7906

 0.0000, 0.0000,
0.0000

 164.0469,

123.0185, 107.3364

202.0185,
155.1638, 137.7143

■ 20.1302, 10.2534,
6.5484

■ 20.1302, 10.2534,
6.5484

■ 20.1295, 10.2531,
6.5453

■ 20.7298, 10.8427,
8.6289

■ 21.5996, 11.8618,
11.1403

■ 22.8190, 13.4643,
14.1247

■ 24.4275, 15.7248,
17.6100

■ 26.4593, 18.7067,
21.6214

■ 28.9442, 22.4659,
26.1822

■ 31.9095, 27.0525,
31.3139

■ 35.3800, 32.5125,
37.0368

■ 39.3791, 38.8887,
43.3701

Harmonies

Analogous

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



19.9381, 10.2534, 19.3323



20.1302, 10.2534, 6.5484



17.0225, 10.2534, 1.5426

Triad

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



20.1302, 10.2534, 6.5484



5.1179, 10.2534, 1.3072



7.5804, 10.2534, 52.3431

Complementary

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



20.1302, 10.2534, 6.5484



19.4504, 34.2182, 20.9175

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.



4.9095, 10.2534, 36.4140



20.1302, 10.2534, 6.5484



3.7993, 10.2534, 5.6981

Square

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



20.1302, 10.2534, 6.5484



7.9618, 10.2534, 0.1403



3.7362, 10.2534, 17.5579



11.7777, 10.2534, 53.3023

Rectangle

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



20.1302, 10.2534, 6.5484



13.9097, 10.2534, 0.5021



3.7362, 10.2534, 17.5579



6.5084, 10.2534, 48.2238

Sweetspot

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



20.1304, 10.2540, 6.5485



56.8526, 47.9874, 55.5810



14.9756, 6.7572, 44.2307



11.7929, 9.6028, 11.1670



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.



20.1304, 10.2540, 6.5485



35.9494, 18.3223, 11.1834



19.3269, 10.3654, 0.9830



8.6259, 8.5571, 9.5285



13.9085, 7.0810, 4.6782



0.4666, 0.2344, 0.2997

Inverse Universe

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



20.1304, 10.2540, 6.5485



35.9494, 18.3223, 11.1834



20.8919, 28.4386, 48.1038



8.6259, 8.5571, 9.5285



13.9085, 7.0810, 4.6782



0.4666, 0.2344, 0.2997

Previews

White Background



This preview shows how the XYZ color 20.1302, 10.2534, 6.5484 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 20.1302, 10.2534, 6.5484

Background



This preview shows how black text looks on a background with the XYZ color 20.1302, 10.2534, 6.5484.



This preview shows how white text looks on a background with the XYZ color 20.1302, 10.2534,

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

20.1302, 10.2534, 6.5484

Protanopia

10.5897, 10.8692, 13.8517

Deuteranopia

11.0968, 10.9264, 5.9390



Tritanopia

19.4241, 10.6084, 2.0011

Trichromacy



Original Color

20.1302, 10.2534, 6.5484

Protanomaly

11.6793, 8.1343, 10.4057

Deuteranomaly

12.7051, 8.6148, 5.8437

Tritanomaly

19.4566, 10.3031, 3.1537

Monochromacy



Original Color

20.1302, 10.2534, 6.5484

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5054, 4.8359, 5.5389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1302, 10.2534, 6.5484 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 20.1302, 10.2534, 6.5484 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, 69) }
```


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

```
.border{ border-color:rgb(181, 0, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1302, 10.2534, 6.5484 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, 69) }
```

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

```
.background{ background-color: rgb(181, 0,  
69) }
```

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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