

Converting Colors

XYZ(21.1675, 10.7230, 9.5488)

Have a look what the booklet for
XYZ(21.1675, 10.7230, 9.5488)
contains.

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Color

**XYZ(21.1681, 10.7232,
9.5484)**

Conversions

Conversions Part 1

Format	Color
Hex	B70055
RGB	183, 0, 85
RGB Percent	72%, 0%, 33%
CMY	0.2824, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.54, 0.28
HSL	332°, 100%, 36%
HSV	332°, 100%, 72%
XYZ	21.1681, 10.7232, 9.5484
YIQ	64.4070, 81.7830, 65.2310

Conversions

Conversions Part 2

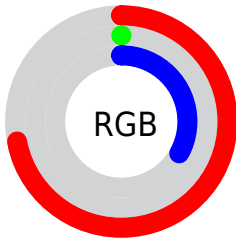
Format	Color
R_YB	183, 0, 85
Decimal	11993173
CIE _{Lab}	39.11, 65.53, 6.16
CIE _{LCh}	39, 65.820, 5.372
Yxy	10.7232, 0.5108, 0.2588
Android (android.graphics.Color)	4290183253 (0xFFB70055)
YUV	64.4070, 10.1523, 104.0061
Hunter-Lab	32.7463, 58.0812, 5.6342

Details

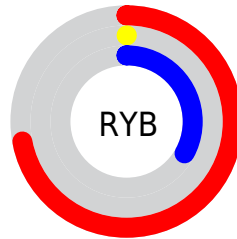
The XYZ color **21.1681, 10.7232, 9.5484** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **19.1400, 34.7494, 17.2623**, and the grayscale version is **4.9138, 5.1697, 5.6298**.

A 20% lighter version of the original color is **44.9766, 27.1683, 25.4277**, and **8.5686, 4.3710, 2.4899** is the 20% darker color. If you saturate the color by 10%, you get **21.1672, 10.7228, 9.5445**, and if you desaturate by 10%, it is **21.8066, 11.3334, 11.8175**.

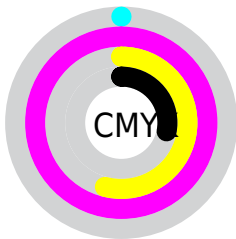
Distribution



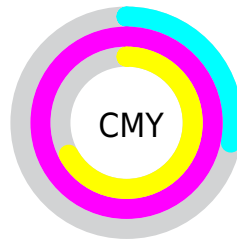
- Red (72%)
- Green (0%)
- Blue (33%)



- Red (72%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (28%)





- Cyan (28%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1681, 10.7232, 9.5484 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 21.1681, 10.7232, 9.5484 by changing the saturation by 10% instead.


 21.1681, 10.7232,
9.5484


 21.1681, 10.7232,
9.5484

250.8853,
195.7586, 197.7841


 13.3601, 5.8810,
4.9989


 44.8563, 27.1472,
25.5369


 7.7557, 2.7729,
2.1879


 61.4672, 39.4978,
37.8131


 3.9895, 1.0143,
0.6674

 81.7431, 55.1199,
53.5019

 1.6962, 0.0000,
0.0000

 106.0494, 74.3981,
73.0218

 0.4539, 0.0000,
0.0000

 134.7514, 97.7167,
96.7915

 0.0000, 0.0000,
0.0000

 168.2145,

125.4600, 125.2294

206.8040,
158.0125, 158.7541

■ 21.1681, 10.7232,
9.5484

■ 21.1681, 10.7232,
9.5484

■ 21.1672, 10.7228,
9.5445

■ 21.8066, 11.3334,
11.8175

■ 22.7080, 12.3795,
14.4507

■ 23.9518, 14.0176,
17.4841

■ 25.5775, 16.3237,
20.9403

■ 27.6190, 19.3626,
24.8393

■ 30.1060, 23.1913,
29.1995

■ 33.0656, 27.8609,
34.0380

■ 36.5224, 33.4185,
39.3709

■ 40.4994, 39.9073,
45.2134

Harmonies

Analogous

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



19.9964, 10.7232, 24.9871



21.1681, 10.7232, 9.5484



18.7789, 10.7232, 2.5094

Triad

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



21.1681, 10.7232, 9.5484



6.0323, 10.7232, 0.9621



7.0534, 10.7232, 50.5368

Complementary

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



21.1681, 10.7232, 9.5484



19.1400, 34.7494, 17.2623

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.



4.7270, 10.7232, 32.1068



21.1681, 10.7232, 9.5484



4.2675, 10.7232, 4.2023

Square

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



21.1681, 10.7232, 9.5484



9.4193, 10.7232, 0.1329



3.8700, 10.7232, 14.0977



11.0060, 10.7232, 56.3240

Rectangle

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



21.1681, 10.7232, 9.5484



15.8043, 10.7232, 0.9278



3.8700, 10.7232, 14.0977



6.0960, 10.7232, 45.1843

Sweetspot

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



21.1684, 10.7238, 9.5486



58.9261, 49.4301, 60.4944



13.5432, 5.9950, 45.2428



12.5037, 10.1070, 12.5377



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.1684, 10.7238, 9.5486



37.7966, 19.1589, 16.4943



19.5951, 10.2004, 0.9371



9.1735, 9.0798, 10.2609



14.8007, 7.4941, 6.8375



0.5531, 0.2767, 0.4059

Inverse Universe

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



21.1684, 10.7238, 9.5486



37.7966, 19.1589, 16.4943



24.2501, 34.8241, 50.2430



9.1735, 9.0798, 10.2609



14.8007, 7.4941, 6.8375



0.5531, 0.2767, 0.4059

Previews

White Background



This preview shows how the XYZ color 21.1681, 10.7232, 9.5484 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 21.1681, 10.7232, 9.5484

Background



This preview shows how black text looks on a background with the XYZ color 21.1681, 10.7232, 9.5484.



This preview shows how white text looks on a background with the XYZ color 21.1681, 10.7232,

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

21.1681, 10.7232, 9.5484

Protanopia

11.5083, 11.4617, 20.3447

Deuteranopia

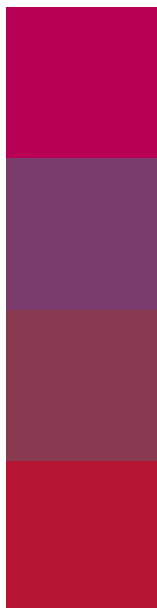
11.5110, 11.3330, 8.6020



Tritanopia

19.9026, 11.0776, 2.5281

Trichromacy



Original Color

21.1681, 10.7232, 9.5484

Protanomaly

12.4022, 8.4734, 15.4499

Deuteranomaly

13.2776, 8.9237, 8.6121

Tritanomaly

20.1981, 10.7668, 4.2625

Monochromacy



Original Color

21.1681, 10.7232, 9.5484

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0260, 5.1796, 6.7076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1681, 10.7232, 9.5484 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(183, 0, 85)` looks like.

```
.text, #text, p{  
  color:rgb(183, 0, 85)  
}
```

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(183, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 21.1681, 10.7232, 9.5484 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(183, 0, 85) }
```


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

```
.border{ border-color:rgb(183, 0, 85) }
```

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

Here you see how a box with a 4 pixel rgb(183, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(183, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.1681, 10.7232, 9.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 0, 85) }
```

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

```
.background{ background-color: rgb(183, 0,  
85) }
```

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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