

Converting Colors

XYZ(10.5200, 5.4443, 36.4528)

Have a look what the booklet for
XYZ(10.5200, 5.4443, 36.4528)
contains.

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Color

**XYZ(10.5687, 5.4606,
36.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	4E21A6
RGB	78, 33, 166
RGB Percent	31%, 13%, 65%
CMY	0.6941, 0.8706, 0.3490
CMYK	0.53, 0.80, 0.00, 0.35
HSL	260°, 67%, 39%
HSV	260°, 80%, 65%
XYZ	10.5687, 5.4606, 36.5734
YIQ	61.6170, -15.8730, 50.9030

Conversions

Conversions Part 2

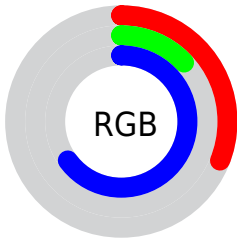
Format	Color
R_{YB}	78, 33, 166
Decimal	5120422
CIE _{Lab}	28.01, 50.74, -63.15
CIE _{LCh}	28, 81.010, 308.783
Yxy	5.4606, 0.2009, 0.1038
Android (android.graphics.Color)	4283310502 (0xFF4E21A6)
YUV	61.6170, 51.4608, 14.3679
Hunter-Lab	23.3679, 39.8370, -76.4379

Details

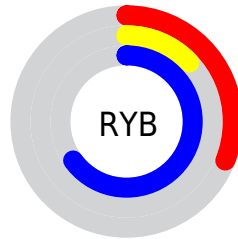
The XYZ color **10.5687, 5.4606, 36.5734** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **21.7953, 31.4470, 6.3599**, and the grayscale version is **4.4541, 4.6861, 5.1031**.

A 20% lighter version of the original color is **26.5085, 16.8488, 70.9622**, and **2.9806, 1.1923, 15.6958** is the 20% darker color. If you saturate the color by 10%, you get **9.3904, 4.3297, 36.4174**, and if you desaturate by 10%, it is **12.1251, 7.1235, 36.8125**.

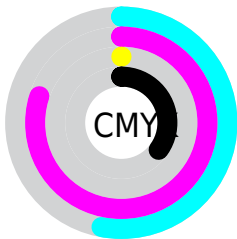
Distribution



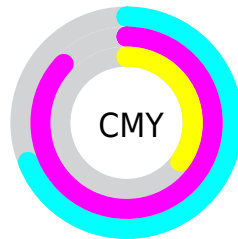
- Red (31%)
- Green (13%)
- Blue (65%)



- Red (31%)
- Yellow (13%)
- Blue (65%)



- Cyan (53%)
- Magenta (80%)
- Yellow (0%)
- Black (35%)



- Cyan (69%)
- Magenta (87%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5687, 5.4606, 36.5734 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 10.5687, 5.4606, 36.5734 by changing the saturation by 10% instead.

10.5687, 5.4606,
36.5734

10.5687, 5.4606,
36.5734

188.6542,
154.1788, 346.5728

5.8428, 2.5200,
24.5842

26.4999, 16.8013,
71.0952

2.7895, 0.8866,
15.5513

38.4359, 25.9701,
94.4648

1.0434, 0.0000,
9.0563

53.5059, 37.9838,
122.4649

0.0000, 0.0000,
4.6806

72.0753, 53.2267,
155.5142

0.0000, 0.0000,
2.0057

94.5095, 72.0833,
194.0310

0.0000, 0.0000,
0.5588

121.1738, 94.9379,

0.0000, 0.0000,

238.4341

0.0000

152.4336,
122.1749, 289.1418

10.5687, 5.4606,
36.5734

10.5687, 5.4606,
36.5734

9.3904, 4.3297,
36.4174

12.1251, 7.1235,
36.8125

8.5235, 3.5989,
36.3220

14.0951, 9.3805,
37.1443

16.5105, 12.2855,
37.5777

19.3997, 15.8856,
38.1203

22.7883, 20.2237,
38.7791

■ 26.7002, 25.3392,
39.5603

■ 31.1574, 31.2683,
40.4698

■ 36.1808, 38.0454,
41.5131

■ 41.7902, 45.7024,
42.6955

Harmonies

Analogous

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



6.2731, 5.4606, 51.6086



10.5687, 5.4606, 36.5734



14.1843, 5.4606, 15.8437

Triad

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



10.5687, 5.4606, 36.5734



7.9877, 5.4606, 0.0000



1.0019, 5.4606, 9.3532

Complementary

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



10.5687, 5.4606, 36.5734



21.7953, 31.4470, 6.3599

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.



1.1317, 5.4606, 1.3737



10.5687, 5.4606, 36.5734



4.2396, 5.4606, 0.0000

Square

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



10.5687, 5.4606, 36.5734



12.2907, 5.4606, 0.0000



2.0399, 5.4606, 0.0000



1.5408, 5.4606, 27.6294

Rectangle

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



10.5687, 5.4606, 36.5734



15.0806, 5.4606, 6.3594



2.0399, 5.4606, 0.0000



0.9766, 5.4606, 5.5502

Sweetspot

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



10.5690, 5.4607, 36.5736



45.2684, 41.7954, 71.1567



14.4288, 16.9138, 38.5808



9.5919, 8.6506, 15.8163



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



10.5690, 5.4607, 36.5736



15.8171, 6.8507, 65.9639



18.8993, 9.7552, 36.9634



7.3622, 7.4193, 9.4624



6.6551, 2.8143, 28.1679



0.2163, 0.0965, 0.6879

Inverse Universe

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



19.7207, 10.5750, 19.0894



33.8499, 16.9875, 28.8276



15.4954, 28.1993, 6.0651



7.7324, 7.6228, 8.9080



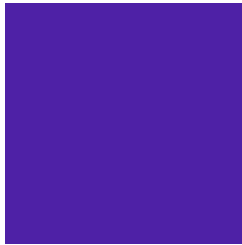
14.3923, 7.1657, 12.1435



0.3726, 0.1833, 0.4135

Previews

White Background



This preview shows how the XYZ color 10.5687, 5.4606, 36.5734 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 ✓ Pass

Black Background



This preview shows how the XYZ color 10.5687, 5.4606, 36.5734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

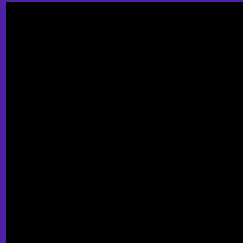
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5687, 5.4606, 36.5734

Background



This preview shows how black text looks on a background with the XYZ color 10.5687, 5.4606, 36.5734.



This preview shows how white text looks on a background with the XYZ color 10.5687, 5.4606,

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

10.5687, 5.4606, 36.5734

Deuteranopia

5.2805, 5.5172, 17.3096

Tritanopia

4.7613, 5.5551, 7.6588

Trichromacy



Original Color

10.5687, 5.4606, 36.5734

Deuteranomaly

6.1961, 4.7965, 23.1535

Tritanomaly

6.0869, 4.9910, 15.1105

Monochromacy



Original Color

10.5687, 5.4606, 36.5734

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

5.8680, 4.5167, 12.6191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5687, 5.4606, 36.5734 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(78, 33, 166)` looks like.

```
.text, #text, p{  
    color:rgb(78, 33, 166)  
}
```

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(78, 33, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 33, 166) }
```

Border

The CSS property to change the border of an element to XYZ 10.5687, 5.4606, 36.5734 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(78, 33, 166) }
```

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

```
.border{ border-color:rgb(78, 33, 166) }
```

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

Here you see how a box with a 4 pixel rgb(78, 33, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 33, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 33, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 33,  
166) }
```


Background

The CSS property to change the background color of an element to XYZ 10.5687, 5.4606, 36.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 33, 166) }
```

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

```
.background{ background-color: rgb(78, 33,  
166) }
```

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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