

Converting Colors

XYZ(36.1860, 32.9643, 53.1992)

Have a look what the booklet for
XYZ(36.1860, 32.9643, 53.1992)
contains.

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Color

**XYZ(36.3055, 33.1312,
53.1966)**

Conversions

Conversions Part 1

Format	Color
Hex	AA93BE
RGB	170, 147, 190
RGB Percent	67%, 58%, 75%
CMY	0.3333, 0.4235, 0.2549
CMYK	0.11, 0.23, 0.00, 0.25
HSL	272°, 25%, 66%
HSV	272°, 23%, 75%
XYZ	36.3055, 33.1312, 53.1966
YIQ	158.7790, -0.0950, 18.2490

Conversions

Conversions Part 2

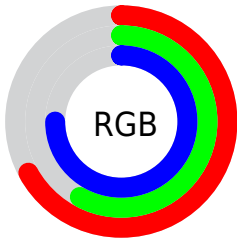
Format	Color
R_{YB}	170, 147, 190
Decimal	11178942
CIE _{Lab}	64.27, 16.81, -19.13
CIE _{LCh}	64, 25.463, 311.300
Yxy	33.1312, 0.2960, 0.2702
Android (android.graphics.Color)	4289369022 (0xFFAA93BE)
YUV	158.7790, 15.3920, 9.8408
Hunter-Lab	57.5597, 11.8585, -14.5039

Details

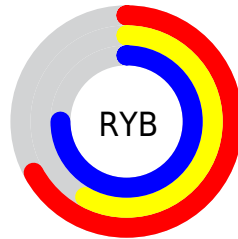
The XYZ color **36.3055, 33.1312, 53.1966** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **39.6175, 47.1498, 34.6181**, and the grayscale version is **32.7866, 34.4941, 37.5641**.

A 20% lighter version of the original color is **68.8852, 64.5959, 96.0264**, and **16.0343, 13.9538, 25.5152** is the 20% darker color. If you saturate the color by 10%, you get **31.7450, 26.7512, 52.2060**, and if you desaturate by 10%, it is **41.4845, 40.5562, 54.3573**.

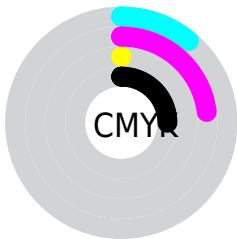
Distribution



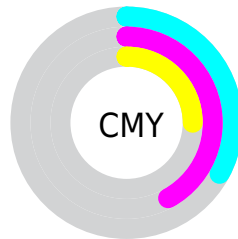
- Red (67%)
- Green (58%)
- Blue (75%)



- Red (67%)
- Yellow (58%)
- Blue (75%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (25%)



- Cyan (33%)
- Magenta (42%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3055, 33.1312, 53.1966 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 36.3055, 33.1312, 53.1966 by changing the saturation by 10% instead.

■ 36.3055, 33.1312,
53.1966

■ 36.3055, 33.1312,
53.1966

321.7019,
316.2405, 416.1266

■ 24.8414, 22.2270,
37.5709

■ 68.8241, 64.5803,
96.3381

■ 16.0871, 14.0238,
25.3506

■ 90.6094, 85.8940,
124.6910

■ 9.6770, 8.1372,
16.1171

116.5658,
111.4463, 158.1234

■ 5.2460, 4.1829,
9.4518

147.0586,
141.6215, 197.0538

■ 2.4285, 1.7764,
4.9362

182.4533,
176.8042, 241.9008

■ 0.8594, 0.4724,
2.1518

223.1152,

■ 0.0000, 0.0000,

217.3787, 293.0829

0.6463

269.4096,
263.7293, 351.0187

■ 0.0000, 0.0000,
0.0000

■ 36.3055, 33.1312,
53.1966

■ 36.3055, 33.1312,
53.1966

■ 31.7450, 26.7512,
52.2060

■ 41.4845, 40.5562,
54.3573

■ 27.7734, 21.3627,
51.3753

■ 47.3036, 49.0677,
55.6935

■ 24.3633, 16.9140,
50.6963

■ 53.7872, 58.7103,
57.2130

■ 21.4834, 13.3467,
50.1595

■ 60.9572, 69.5246,
58.9225

■ 19.0992, 10.5955,
49.7542

■ 68.8347, 81.5493,
60.8283

■ 17.1711, 8.5859,
49.4679

■ 75.4942, 90.9300,
62.2880

■ 15.6526, 7.2287,
49.2860

■ 78.2892, 92.3709,
62.4188

■ 14.7314, 6.5206,
49.1978

■ 81.2285, 93.8862,
62.5563

■ 84.3141, 95.4769,
62.7007

Harmonies

Analogous

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



32.8723, 33.1312, 59.3352



36.3055, 33.1312, 53.1966



38.5457, 33.1312, 42.8424

Triad

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



36.3055, 33.1312, 53.1966



33.7724, 33.1312, 20.3094



25.1525, 33.1312, 40.1182

Complementary

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



36.3055, 33.1312, 53.1966



39.6175, 47.1498, 34.6181

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.



25.3530, 33.1312, 30.0593



36.3055, 33.1312, 53.1966



30.1474, 33.1312, 19.8593

Square

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



36.3055, 33.1312, 53.1966



37.0077, 33.1312, 24.4636



27.1207, 33.1312, 23.0874



26.5503, 33.1312, 50.8767

Rectangle

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



36.3055, 33.1312, 53.1966



38.9651, 33.1312, 35.6245



27.1207, 33.1312, 23.0874



25.0382, 33.1312, 36.5278

Sweetspot

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



36.3065, 33.1326, 53.1973



80.8460, 81.7528, 99.7980



35.1591, 37.5839, 54.1170



17.6114, 17.7450, 21.8822



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



36.3065, 33.1326, 53.1973



61.6817, 54.2509, 95.4996



40.8082, 35.4713, 52.5942



9.4906, 9.4698, 11.9998



9.8868, 4.3829, 32.7178



0.4621, 0.2102, 1.2851

Inverse Universe

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



38.6451, 34.6061, 41.2037



66.7539, 57.4440, 69.6120



35.8269, 45.1827, 35.0316



9.7098, 9.6082, 10.8610



15.3408, 7.7675, 7.0880



0.6340, 0.3175, 0.4517

Previews

White Background



This preview shows how the XYZ color 36.3055, 33.1312, 53.1966 looks on a white background.

Color Contrast Check

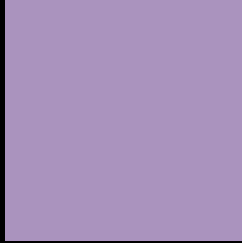
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.3055, 33.1312, 53.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

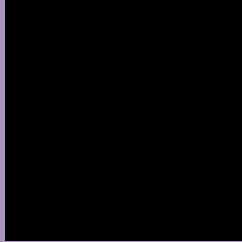
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3055, 33.1312, 53.1966

Background



This preview shows how black text looks on a background with the XYZ color 36.3055, 33.1312, 53.1966.



This preview shows how white text looks on a background with the XYZ color 36.3055, 33.1312,

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

36.3055, 33.1312, 53.1966

Protanopia

33.2600, 33.1623, 56.2777

Deuteranopia

33.9311, 33.0992, 52.7445



Tritanopia

33.6550, 33.2438, 39.7648

Trichromacy



Original Color

36.3055, 33.1312, 53.1966

Protanomaly

34.2098, 32.9520, 55.0094

Deuteranomaly

34.5889, 32.9604, 52.6831

Tritanomaly

34.3855, 33.0453, 44.1012

Monochromacy



Original Color

36.3055, 33.1312, 53.1966

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.0813, 34.1315, 42.8220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3055, 33.1312, 53.1966 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(170, 147, 190)` looks like.

```
.text, #text, p{  
    color:rgb(170, 147, 190)  
}
```

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(170, 147, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 147, 190) }
```

Border

The CSS property to change the border of an element to XYZ 36.3055, 33.1312, 53.1966 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(170, 147, 190) }
```


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

```
.border{ border-color:rgb(170, 147, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 147, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 147, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 147, 190);  
box-shadow:4px 4px 4px 4px rgb(170, 147,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3055, 33.1312, 53.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 147, 190) }
```

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

```
.background{ background-color: rgb(170,  
147, 190) }
```

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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