

Converting Colors

XYZ(33.2578, 25.9645, 55.4833)

Have a look what the booklet for
XYZ(33.2578, 25.9645, 55.4833)
contains.

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Color

**XYZ(33.2578, 25.9645,
55.4833)**

Conversions

Conversions Part 1

Format	Color
Hex	AA78C4
RGB	170, 120, 196
RGB Percent	67%, 47%, 77%
CMY	0.3333, 0.5294, 0.2314
CMYK	0.13, 0.39, 0.00, 0.23
HSL	279°, 39%, 62%
HSV	279°, 39%, 77%
XYZ	33.2578, 25.9645, 55.4833
YIQ	143.6140, 5.4040, 34.2360

Conversions

Conversions Part 2

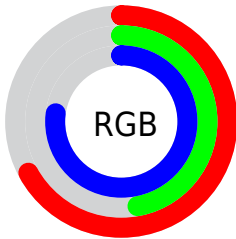
Format	Color
RYB	170, 120, 196
Decimal	11172036
CIELab	58.00, 33.35, -32.15
CIELCh	58, 46.329, 316.050
Yxy	25.9645, 0.2899, 0.2264
Android (android.graphics.Color)	4289362116 (0xFFAA78C4)
YUV	143.6140, 25.8263, 23.1405
Hunter-Lab	50.9554, 27.3323, -28.8898

Details

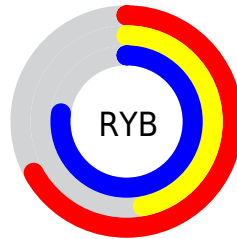
The XYZ color **33.2578, 25.9645, 55.4833** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.9850, 46.9475, 24.9883**, and the grayscale version is **26.2530, 27.6202, 30.0784**.

A 20% lighter version of the original color is **64.0372, 53.1477, 99.8119**, and **14.2751, 10.0463, 26.7779** is the 20% darker color. If you saturate the color by 10%, you get **29.7249, 20.9953, 54.7108**, and if you desaturate by 10%, it is **37.3489, 31.9388, 56.4212**.

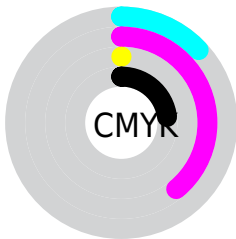
Distribution



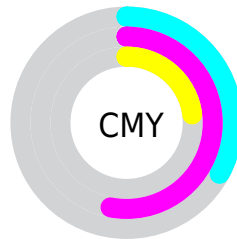
- Red (67%)
- Green (47%)
- Blue (77%)



- Red (67%)
- Yellow (47%)
- Blue (77%)



- Cyan (13%)
- Magenta (39%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (53%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2578, 25.9645, 55.4833 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 33.2578, 25.9645, 55.4833 by changing the saturation by 10% instead.

■ 33.2578, 25.9645,
55.4833

■ 33.2578, 25.9645,
55.4833

308.4543,
282.6078, 425.0748

■ 22.4842, 16.7971,
39.3876

■ 64.1298, 53.2177,
99.7269

■ 14.3317, 10.0899,
26.7512

■ 84.9589, 72.0722,
128.7120

■ 8.4350, 5.4586,
17.1557

■ 109.8705, 94.9246,
162.8305

■ 4.4286, 2.5188,
10.1824

139.2301,
122.1592, 202.5011

■ 1.9474, 0.8860,
5.4129

173.4029,
154.1604, 248.1423

■ 0.6041, 0.0000,
2.4286

212.7543,

■ 0.0000, 0.0000,

191.3127, 300.1726

0.8019

257.6496,
234.0003, 359.0106

■ 0.0000, 0.0000,
0.0000

■ 33.2578, 25.9645,
55.4833

■ 33.2578, 25.9645,
55.4833

■ 29.7249, 20.9953,
54.7108

■ 37.3489, 31.9388,
56.4212

■ 26.7167, 16.9683,
54.0920

■ 42.0237, 38.9699,
57.5320

■ 24.2002, 13.8180,
53.6166

■ 47.3092, 47.1094,
58.8245

■ 22.1368, 11.4692,
53.2720

■ 53.2300, 56.4050,
60.3067

■ 20.4815, 9.8336,
53.0435

■ 59.8090, 66.9012,
61.9859

■ 19.1606, 8.7654,
52.9069

■ 67.0681, 78.6402,
63.8692

■ 19.0092, 8.6486,
52.8924

■ 74.3209, 90.2479,
65.7274

■ 76.3541, 91.2960,
65.8225

■ 78.4692, 92.3864,
65.9215

Harmonies

Analogous

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



27.7724, 25.9645, 69.3955



33.2578, 25.9645, 55.4833



36.6546, 25.9645, 36.3642

Triad

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



33.2578, 25.9645, 55.4833



27.3627, 25.9645, 7.6783



15.7198, 25.9645, 37.6684

Complementary

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



33.2578, 25.9645, 55.4833



34.9850, 46.9475, 24.9883

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.



15.6445, 25.9645, 21.4775



33.2578, 25.9645, 55.4833



21.8234, 25.9645, 7.8015

Square

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



33.2578, 25.9645, 55.4833



32.9191, 25.9645, 11.3905



17.7182, 25.9645, 11.8312



17.9425, 25.9645, 56.7433

Rectangle

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



33.2578, 25.9645, 55.4833



36.9905, 25.9645, 25.1480



17.7182, 25.9645, 11.8312



15.4554, 25.9645, 31.6423

Sweetspot

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



33.2587, 25.9656, 55.4839



82.3062, 80.0749, 105.7257



28.0821, 28.7229, 56.2889



17.3421, 16.7153, 22.5623



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.2587, 25.9656, 55.4839



54.4661, 38.8858, 99.2428



38.1969, 28.6556, 49.1963



10.1519, 10.0694, 12.6934



12.3094, 5.6061, 33.9899



0.6033, 0.2791, 1.4719

Inverse Universe

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



34.6705, 27.2451, 30.6267



57.7764, 41.7704, 46.1702



31.6104, 45.1231, 28.6599



10.2122, 10.1335, 11.2082



15.3161, 7.8162, 4.3107



0.6944, 0.3508, 0.3582

Previews

White Background



This preview shows how the XYZ color 33.2578, 25.9645, 55.4833 looks on a white background.

Color Contrast Check

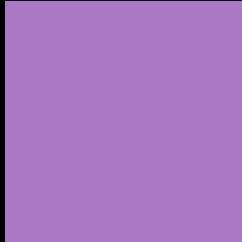
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 33.2578, 25.9645, 55.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

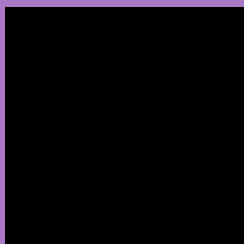
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2578, 25.9645, 55.4833

Background



This preview shows how black text looks on a background with the XYZ color 33.2578, 25.9645, 55.4833.



This preview shows how white text looks on a background with the XYZ color 33.2578, 25.9645,

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

33.2578, 25.9645, 55.4833

Protanopia

27.5179, 26.1219, 64.5644

Deuteranopia

26.8825, 26.2382, 54.0997



Tritanopia

27.8991, 25.8670, 29.1136

Trichromacy



Original Color

33.2578, 25.9645, 55.4833

Protanomaly

28.9673, 25.7087, 61.1931

Deuteranomaly

28.6691, 25.7031, 54.4891

Tritanomaly

29.6280, 25.7867, 37.5982

Monochromacy



Original Color

33.2578, 25.9645, 55.4833

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.4117, 26.7446, 38.3151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2578, 25.9645, 55.4833 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, 120, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 196)  
}
```

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, 120, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 196) }
```

Border

The CSS property to change the border of an element to XYZ 33.2578, 25.9645, 55.4833 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, 120, 196) }
```


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

```
.border{ border-color:rgb(170, 120, 196) }
```

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

Here you see how a box with a 4 pixel rgb(170, 120, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 120, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 120, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 120,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2578, 25.9645, 55.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 196) }
```

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

```
.background{ background-color: rgb(170,  
120, 196) }
```

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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