

Converting Colors

XYZ(33.3245, 41.9737, 25.0125)

Have a look what the booklet for
XYZ(33.3245, 41.9737, 25.0125)
contains.

XYZ(33.2711, 41.8763, 25.0683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2711, 41.8763,
25.0683)**

Conversions

Conversions Part 1

Format	Color
Hex	97B77B
RGB	151, 183, 123
RGB Percent	59%, 72%, 48%
CMY	0.4078, 0.2823, 0.5176
CMYK	0.17, 0.00, 0.33, 0.28
HSL	92°, 29%, 60%
HSV	92°, 33%, 72%
XYZ	33.2711, 41.8763, 25.0683
YIQ	166.5920, 0.1880, -25.4440

Conversions

Conversions Part 2

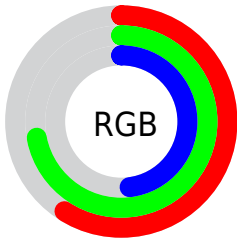
Format	Color
RYB	123, 183, 155
Decimal	9942907
CIELab	70.79, -21.69, 27.05
CIELCh	71, 34.675, 128.729
Yxy	41.8763, 0.3320, 0.4179
Android (android.graphics.Color)	4288132987 (0xFF97B77B)
YUV	166.5920, -21.4909, -13.6742
Hunter-Lab	64.7119, -21.4715, 22.3304

Details

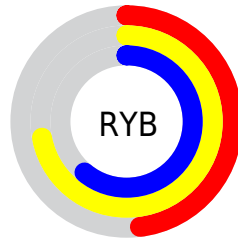
The XYZ color **33.2711, 41.8763, 25.0683** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.1496, 24.5546, 48.0052**, and the grayscale version is **36.6341, 38.5420, 41.9722**.

A 20% lighter version of the original color is **64.1566, 77.9894, 52.7463**, and **14.3308, 19.0990, 9.2345** is the 20% darker color. If you saturate the color by 10%, you get **30.4941, 40.5662, 19.5072**, and if you desaturate by 10%, it is **36.4145, 43.3531, 31.7662**.

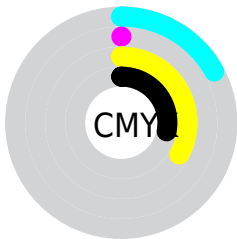
Distribution



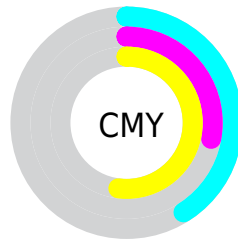
- Red (59%)
- Green (72%)
- Blue (48%)



- Red (48%)
- Yellow (72%)
- Blue (61%)



- Cyan (17%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)



- Cyan (41%)
- Magenta (28%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2711, 41.8763, 25.0683 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 33.2711, 41.8763, 25.0683 by changing the saturation by 10% instead.

■ 33.2711, 41.8763,
25.0683

■ 33.2711, 41.8763,
25.0683

308.5130,
353.9699, 291.6365

■ 22.4944, 29.0044,
15.9085

■ 64.1504, 78.0124,
52.7335

■ 14.3393, 19.0842,
9.3057

■ 84.9837, 102.0454,
72.0759

■ 8.4403, 11.7311,
4.8416

■ 109.9000,
130.5676, 95.6497

■ 4.4321, 6.5609,
2.0975

139.2646,
163.9633, 123.8732

■ 1.9494, 3.1890,
0.6143

173.4428,
202.6170, 157.1651

■ 0.6053, 1.2312,
0.0000

212.8001,

■ 0.0000, 0.0870,

246.9131, 195.9440

0.0000

257.7017,
297.2359, 240.6282

■ 0.0000, 0.0000,
0.0000

■ 33.2711, 41.8763,
25.0683

■ 33.2711, 41.8763,
25.0683

■ 30.4941, 40.5662,
19.5072

■ 36.4145, 43.3531,
31.7662

■ 28.0646, 39.4106,
15.0169

■ 39.9355, 44.9972,
39.6563

■ 25.9668, 38.4042,
11.5291


■ 43.8490, 46.8165,
48.7940


■ 24.1823, 37.5391,
8.9663


■ 48.1677, 48.8164,
59.2300


■ 22.6899, 36.8065,
7.2396


■ 52.9039, 51.0021,
71.0124


 21.4654, 36.1960,
6.2427

 58.0695, 53.3788,
84.1870

 20.7165, 35.8184,
5.8218

 63.6756, 55.9513,
98.7971

 67.3257, 57.7613,
102.2083

 70.5302, 59.4132,
102.3583

Harmonies

Analogous

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



38.1459, 41.8763, 20.8928



33.2711, 41.8763, 25.0683



30.3530, 41.8763, 35.0361

Triad

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



33.2711, 41.8763, 25.0683



35.9203, 41.8763, 81.9745



51.7755, 41.8763, 40.9525

Complementary

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



33.2711, 41.8763, 25.0683



29.1496, 24.5546, 48.0052

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.



51.0333, 41.8763, 58.0898



33.2711, 41.8763, 25.0683



41.5057, 41.8763, 84.6532

Square

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



33.2711, 41.8763, 25.0683



31.7768, 41.8763, 68.4430



47.1364, 41.8763, 75.0652



49.0763, 41.8763, 28.5002

Rectangle

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



33.2711, 41.8763, 25.0683



29.7302, 41.8763, 44.8968



47.1364, 41.8763, 75.0652



51.9251, 41.8763, 46.3028

Sweetspot

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



33.2722, 41.8781, 25.0692



73.2891, 81.4089, 75.0914



34.8266, 34.9416, 23.6484



15.9773, 17.8830, 16.1007



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.



33.2722, 41.8781, 25.0692



56.1068, 73.3575, 37.8537



28.8048, 39.5605, 25.5205



9.2780, 10.2600, 9.5983



14.5293, 25.0264, 4.0648



0.5837, 0.9191, 0.1466

Inverse Universe

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



29.1496, 24.5546, 48.0052



47.6280, 37.7391, 85.0098



34.9535, 27.5706, 47.1976



8.9662, 8.9489, 11.3342



9.5271, 4.2226, 31.5660



0.4066, 0.1853, 1.1161

Previews

White Background



This preview shows how the XYZ color 33.2711, 41.8763, 25.0683 looks on a white background.

Color Contrast Check

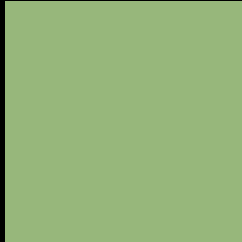
Large Text (above 18pt) WCAG AA × Fail

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 33.2711, 41.8763, 25.0683 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 33.2711, 41.8763, 25.0683

Background



This preview shows how black text looks on a background with the XYZ color 33.2711, 41.8763, 25.0683.



This preview shows how white text looks on a background with the XYZ color 33.2711, 41.8763,

25.0683.

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

33.2711, 41.8763, 25.0683

Protanopia

38.7669, 41.7838, 23.4746

Deuteranopia

42.3688, 41.6421, 25.8833



Tritanopia

39.2132, 41.9111, 54.1670

Trichromacy



Original Color

33.2711, 41.8763, 25.0683

Protanomaly

36.5679, 41.7990, 23.9100

Deuteranomaly

38.5260, 41.3257, 25.6848

Tritanomaly

36.6166, 41.7255, 41.7212

Monochromacy



Original Color

33.2711, 41.8763, 25.0683

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.2274, 39.6986, 35.0841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2711, 41.8763, 25.0683 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(151, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(151, 183, 123)  
}
```

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(151, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 183, 123) }
```

Border

The CSS property to change the border of an element to XYZ 33.2711, 41.8763, 25.0683 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(151, 183, 123) }
```


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

```
.border{ border-color:rgb(151, 183, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 183, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 183, 123);  
box-shadow:4px 4px 4px 4px rgb(151, 183,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2711, 41.8763, 25.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 183, 123) }
```

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

```
.background{ background-color: rgb(151,  
183, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor