

Converting Colors

XYZ(36.7619, 45.7704, 26.7672)

Have a look what the booklet for
XYZ(36.7619, 45.7704, 26.7672)
contains.

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Color

**XYZ(36.8773, 45.9103,
26.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	A1BE7E
RGB	161, 190, 126
RGB Percent	63%, 75%, 49%
CMY	0.3686, 0.2549, 0.5059
CMYK	0.15, 0.00, 0.34, 0.25
HSL	87°, 33%, 62%
HSV	87°, 34%, 75%
XYZ	36.8773, 45.9103, 26.6566
YIQ	174.0330, 3.2600, -26.0520

Conversions

Conversions Part 2

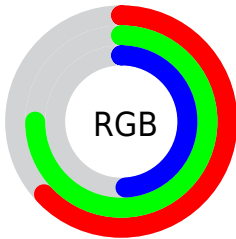
Format	Color
RYB	126, 190, 155
Decimal	10600062
CIELab	73.49, -21.04, 29.17
CIELCh	73, 35.970, 125.803
Yxy	45.9103, 0.3370, 0.4195
Android (android.graphics.Color)	4288790142 (0xFFA1BE7E)
YUV	174.0330, -23.6803, -11.4299
Hunter-Lab	67.7571, -21.4251, 24.1045

Details

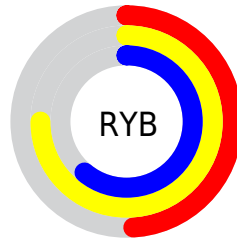
The XYZ color **36.8773, 45.9103, 26.6566** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.2745, 25.6092, 52.0651**, and the grayscale version is **40.3667, 42.4690, 46.2487**.

A 20% lighter version of the original color is **69.4114, 83.7651, 55.1577**, and **16.4345, 21.6013, 10.1407** is the 20% darker color. If you saturate the color by 10%, you get **34.0904, 44.6035, 20.7229**, and if you desaturate by 10%, it is **40.0190, 47.3759, 33.8243**.

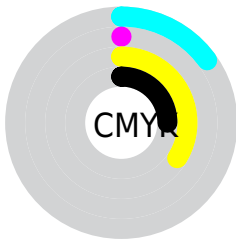
Distribution



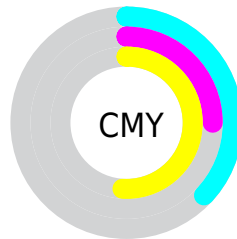
- Red (63%)
- Green (75%)
- Blue (49%)



- Red (49%)
- Yellow (75%)
- Blue (61%)



- Cyan (15%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)





- Cyan (37%)
- Magenta (25%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8773, 45.9103, 26.6566 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 36.8773, 45.9103, 26.6566 by changing the saturation by 10% instead.


 36.8773, 45.9103,
26.6566


 36.8773, 45.9103,
26.6566


324.1438,
370.4479, 299.6980

 25.2857, 32.1750,
17.0853


 69.6991, 84.0847,
55.3294

 16.4199, 21.4952,
10.1327


 91.6600, 109.2927,
75.2679

 9.9145, 13.4865,
5.3803


 117.8081,
139.0937, 99.4993

 5.4042, 7.7644,
2.4095

148.5088,
173.8721, 128.4421

 2.5235, 3.9446,
0.7916

184.1273,
214.0124, 162.5148

 0.9071, 1.6426,
0.0000

225.0291,

 0.0000, 0.3861,

259.8988, 202.1360

0.0000

271.5794,
311.9159, 247.7242

■ 0.0000, 0.0000,
0.0000

■ 36.8773, 45.9103,
26.6566

■ 36.8773, 45.9103,
26.6566

■ 34.0904, 44.6035,
20.7229

■ 40.0190, 47.3759,
33.8243

■ 31.6391, 43.4429,
15.9505

■ 43.5264, 49.0004,
42.2872

■ 29.5075, 42.4234,
12.2637


■ 47.4143, 50.7914,
52.1062


■ 27.6770, 41.5373,
9.5764


■ 51.6956, 52.7543,
63.3374


■ 26.1260, 40.7757,
7.7898


■ 56.3823, 54.8942,
76.0335


 24.8291, 40.1280,
6.7847

 61.4861, 57.2161,
90.2448

 24.1118, 39.7659,
6.4048

 66.3664, 59.4638,
102.5875

 69.0601, 60.8525,
102.7136

 71.8903, 62.3115,
102.8460

Harmonies

Analogous

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



42.4136, 45.9103, 22.6493



36.8773, 45.9103, 26.6566



33.4214, 45.9103, 36.9842

Triad

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



36.8773, 45.9103, 26.6566



38.8215, 45.9103, 89.1413



56.9432, 45.9103, 46.5361

Complementary

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



36.8773, 45.9103, 26.6566



30.2745, 25.6092, 52.0651

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.



55.7456, 45.9103, 65.7315



36.8773, 45.9103, 26.6566



44.8824, 45.9103, 93.4628

Square

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



36.8773, 45.9103, 26.6566



34.4654, 45.9103, 73.3577



51.1746, 45.9103, 84.0433



54.3050, 45.9103, 32.1982

Rectangle

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



36.8773, 45.9103, 26.6566



32.5585, 45.9103, 47.4733



51.1746, 45.9103, 84.0433



56.9788, 45.9103, 52.5911

Sweetspot

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



36.8785, 45.9123, 26.6576



81.2742, 89.8998, 82.6090



36.6909, 35.8313, 24.7216



17.6317, 19.6418, 17.6013



92.9021, 97.7402, 106.4391



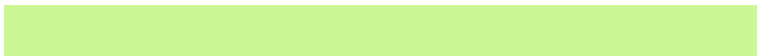
19.4759, 20.4902, 22.3138

Same Dimension

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



36.8785, 45.9123, 26.6576



63.2421, 81.5153, 40.5882



31.2644, 43.0182, 26.3949



9.8939, 10.8997, 10.1590



16.1236, 26.4879, 4.2629



0.7060, 1.0759, 0.1705

Inverse Universe

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



30.2745, 25.6092, 52.0651



49.5521, 39.4156, 93.2754



37.2015, 29.1802, 52.3893



9.4161, 9.4314, 11.9964



8.8263, 3.8362, 32.6682



0.4211, 0.1891, 1.2832

Previews

White Background



This preview shows how the XYZ color 36.8773, 45.9103, 26.6566 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 36.8773, 45.9103, 26.6566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

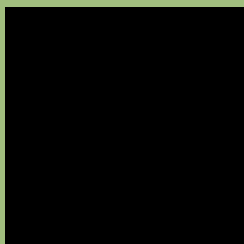
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8773, 45.9103, 26.6566

Background



This preview shows how black text looks on a background with the XYZ color 36.8773, 45.9103, 26.6566.



This preview shows how white text looks on a background with the XYZ color 36.8773, 45.9103,

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

36.8773, 45.9103, 26.6566

Protanopia

42.3398, 45.6498, 24.9921

Deuteranopia

46.7044, 45.7950, 27.4968



Tritanopia

43.2823, 45.6912, 58.7626

Trichromacy



Original Color

36.8773, 45.9103, 26.6566

Protanomaly

40.2441, 45.7783, 25.4539

Deuteranomaly

42.5882, 45.4273, 27.2926

Tritanomaly

40.4275, 45.4367, 45.1675

Monochromacy



Original Color

36.8773, 45.9103, 26.6566

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.7692, 43.5119, 38.2536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8773, 45.9103, 26.6566 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(161, 190, 126)` looks like.

```
.text, #text, p{  
    color:rgb(161, 190, 126)  
}
```

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(161, 190, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 190, 126) }
```

Border

The CSS property to change the border of an element to XYZ 36.8773, 45.9103, 26.6566 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(161, 190, 126) }
```


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

```
.border{ border-color:rgb(161, 190, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 190, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 190, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 190, 126);  
box-shadow:4px 4px 4px 4px rgb(161, 190,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8773, 45.9103, 26.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 190, 126) }
```

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

```
.background{ background-color: rgb(161,  
190, 126) }
```

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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