

Converting Colors

XYZ(28.5293, 40.2186, 25.2207)

Have a look what the booklet for
XYZ(28.5293, 40.2186, 25.2207)
contains.

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Color

**XYZ(28.6682, 40.4246,
25.3605)**

Conversions

Conversions Part 1

Format	Color
Hex	76BA7C
RGB	118, 186, 124
RGB Percent	46%, 73%, 49%
CMY	0.5373, 0.2706, 0.5137
CMYK	0.37, 0.00, 0.33, 0.27
HSL	125°, 33%, 60%
HSV	125°, 37%, 73%
XYZ	28.6682, 40.4246, 25.3605
YIQ	158.6000, -20.6260, -33.6980

Conversions

Conversions Part 2

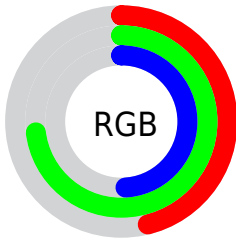
Format	Color
R _{YB}	118, 180, 186
Decimal	7780988
CIE _{Lab}	69.77, -34.38, 24.83
CIE _{LCh}	70, 42.410, 144.169
Yxy	40.4246, 0.3035, 0.4280
Android (android.graphics.Color)	4285971068 (0xFF76BA7C)
YUV	158.6000, -17.0578, -35.6062
Hunter-Lab	63.5803, -30.7804, 20.8570

Details

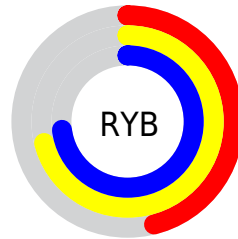
The XYZ color **28.6682, 40.4246, 25.3605** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9677, 26.6921, 46.4907**, and the grayscale version is **32.8550, 34.5660, 37.6424**.

A 20% lighter version of the original color is **56.9997, 76.0462, 53.2692**, and **11.6673, 18.1208, 9.3613** is the 20% darker color. If you saturate the color by 10%, you get **25.4053, 38.8571, 20.0829**, and if you desaturate by 10%, it is **32.6158, 42.3261, 31.6347**.

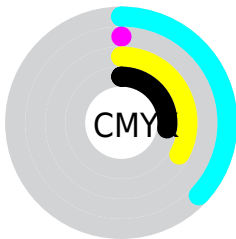
Distribution



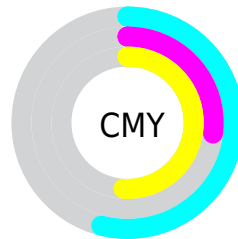
- Red (46%)
- Green (73%)
- Blue (49%)



- Red (46%)
- Yellow (71%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (33%)
- Black (27%)





- Cyan (54%)
- Magenta (27%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6682, 40.4246, 25.3605 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 28.6682, 40.4246, 25.3605 by changing the saturation by 10% instead.


 28.6682, 40.4246,
25.3605


 28.6682, 40.4246,
25.3605


287.6687,
347.9100, 293.1335


 18.9730, 27.8698,
16.1244


 56.9507, 75.8096,
53.2128

 11.7546, 18.2275,
9.4569


 76.2687, 99.4086,
72.6661

 6.6478, 11.1134,
4.9395


 99.5251, 127.4578,
96.3622

 3.2872, 6.1432,
2.1537

127.0850,
160.3415, 124.7196

 1.3074, 2.9323,
0.6475

159.3140,
198.4442, 158.1569

 0.1888, 1.0965,
0.0000

196.5774,

 0.0000, 0.0000,

242.1502, 197.0926

0.0000

239.2405,
291.8440, 241.9453

■ 28.6682, 40.4246,
25.3605

■ 28.6682, 40.4246,
25.3605

■ 25.4053, 38.8571,
20.0829

■ 32.6158, 42.3261,
31.6347

■ 22.7850, 37.5995,
15.7481

■ 37.2807, 44.5738,
38.9503

■ 20.7656, 36.6327,
12.3014


■ 42.6971, 47.1857,
47.3524


■ 19.2992, 35.9332,
9.6813


■ 48.8964, 50.1771,
56.8830


■ 18.3302, 35.4739,
7.8185


■ 55.9079, 53.5621,
67.5816

 17.7870, 35.2196,
6.6322

 63.7596, 57.3544,
79.4859

 17.6563, 35.1581,
6.3622

 72.4779, 61.5669,
92.6320

 76.8497, 63.5994,
102.8332

Harmonies

Analogous

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



33.2589, 40.4246, 17.7174



28.6682, 40.4246, 25.3605



26.7121, 40.4246, 40.2791

Triad

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



28.6682, 40.4246, 25.3605



37.0946, 40.4246, 93.4589



51.7927, 40.4246, 30.2602

Complementary

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



28.6682, 40.4246, 25.3605



34.9677, 26.6921, 46.4907

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.



53.1350, 40.4246, 47.9761



28.6682, 40.4246, 25.3605



44.0944, 40.4246, 88.3932

Square

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



28.6682, 40.4246, 25.3605



31.1900, 40.4246, 82.4094



50.1706, 40.4246, 70.1140



46.6944, 40.4246, 19.8987

Rectangle

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



28.6682, 40.4246, 25.3605



26.9749, 40.4246, 53.9510



50.1706, 40.4246, 70.1140



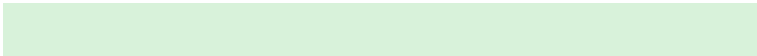
52.7217, 40.4246, 35.3814

Sweetspot

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



28.6692, 40.4263, 25.3614



72.6771, 83.2512, 78.5367



39.7307, 46.1712, 23.9577



15.7118, 18.1921, 16.8406



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.6692, 40.4263, 25.3614



47.0407, 70.9054, 38.0215



31.1742, 41.4283, 38.5521



8.9217, 10.0726, 9.7449



11.8905, 23.6572, 4.3454



0.4300, 0.8383, 0.2102

Inverse Universe

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



34.9677, 26.6921, 46.4907



60.1459, 42.3085, 81.9704



31.9436, 25.4824, 30.5661



9.3458, 9.1487, 11.1685



18.4926, 8.9708, 26.2787



0.6620, 0.3203, 0.9795

Previews

White Background



This preview shows how the XYZ color 28.6682, 40.4246, 25.3605 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 28.6682, 40.4246, 25.3605 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 28.6682, 40.4246, 25.3605

Background



This preview shows how black text looks on a background with the XYZ color 28.6682, 40.4246, 25.3605.



This preview shows how white text looks on a background with the XYZ color 28.6682, 40.4246,

25.3605.

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

28.6682, 40.4246, 25.3605

Protanopia

37.1141, 40.1011, 22.6138

Deuteranopia

40.6128, 39.9215, 26.3340



Tritanopia

34.7949, 40.4719, 55.8471

Trichromacy



Original Color

28.6682, 40.4246, 25.3605

Protanomaly

33.2136, 39.7777, 23.6966

Deuteranomaly

34.9712, 39.2042, 25.8027

Tritanomaly

32.1031, 40.2734, 42.6407

Monochromacy



Original Color

28.6682, 40.4246, 25.3605

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.8779, 36.3805, 32.5888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6682, 40.4246, 25.3605 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(118, 186, 124)` looks like.

```
.text, #text, p{  
    color:rgb(118, 186, 124)  
}
```

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(118, 186, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 186, 124) }
```

Border

The CSS property to change the border of an element to XYZ 28.6682, 40.4246, 25.3605 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(118, 186, 124) }
```


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

```
.border{ border-color:rgb(118, 186, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 186, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 186, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 186, 124);  
box-shadow:4px 4px 4px 4px rgb(118, 186,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6682, 40.4246, 25.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 186, 124) }
```

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

```
.background{ background-color: rgb(118,  
186, 124) }
```

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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