

Converting Colors

XYZ(24.4182, 36.4089, 27.1612)

Have a look what the booklet for
XYZ(24.4182, 36.4089, 27.1612)
contains.

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Color

**XYZ(24.3485, 36.3074,
27.1975)**

Conversions

Conversions Part 1

Format	Color
Hex	57B483
RGB	87, 180, 131
RGB Percent	34%, 71%, 51%
CMY	0.6588, 0.2941, 0.4863
CMYK	0.52, 0.00, 0.27, 0.29
HSL	148°, 38%, 52%
HSV	148°, 52%, 71%
XYZ	24.3485, 36.3074, 27.1975
YIQ	146.6070, -39.6990, -34.9550

Conversions

Conversions Part 2

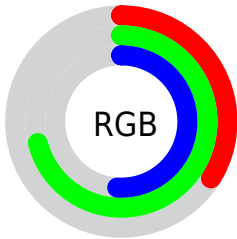
Format	Color
RYB	87, 150, 180
Decimal	5747843
CIELab	66.75, -39.15, 16.72
CIElCh	67, 42.569, 156.868
Yxy	36.3074, 0.2771, 0.4133
Android (android.graphics.Color)	4283937923 (0xFF57B483)
YUV	146.6070, -7.6943, -52.2753
Hunter-Lab	60.2556, -33.3178, 15.4173

Details

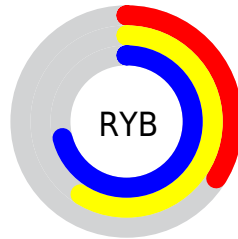
The XYZ color **24.3485, 36.3074, 27.1975** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.6757, 18.2982, 25.4200**, and the grayscale version is **27.6142, 29.0523, 31.6380**.

A 20% lighter version of the original color is **49.9749, 69.2912, 56.0880**, and **9.3470, 15.7225, 10.3267** is the 20% darker color. If you saturate the color by 10%, you get **22.2593, 35.3023, 23.8968**, and if you desaturate by 10%, it is **26.9175, 37.5550, 30.8294**.

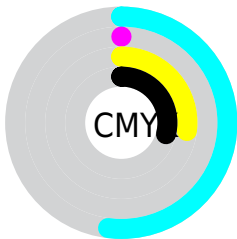
Distribution



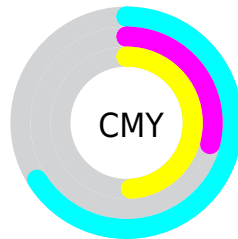
- Red (34%)
- Green (71%)
- Blue (51%)



- Red (34%)
- Yellow (59%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)



- Cyan (66%)
- Magenta (29%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3485, 36.3074, 27.1975 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 24.3485, 36.3074, 27.1975 by changing the saturation by 10% instead.

■ 24.3485, 36.3074,
27.1975

■ 24.3485, 36.3074,
27.1975

266.9856,
330.3021, 302.4025

■ 15.7185, 24.6717,
17.4879

■ 50.0489, 69.5063,
56.2082

■ 9.4147, 15.8326,
10.4173

■ 67.8499, 91.8382,
76.3464

■ 5.0719, 9.4058,
5.5673

■ 89.4386, 118.5044,
100.7978

■ 2.3247, 5.0068,
2.5193

■ 115.1805,
149.8892, 129.9810

■ 0.8073, 2.2513,
0.8504

145.4407,
186.3769, 164.3145

■ 0.0000, 0.7477,
0.0000

180.5847,

■ 0.0000, 0.0000,

228.3521, 204.2169

0.0000

220.9779,
276.1990, 250.1067

■ 24.3485, 36.3074,
27.1975

■ 24.3485, 36.3074,
27.1975

■ 22.2593, 35.3023,
23.8968

■ 26.9175, 37.5550,
30.8294

■ 20.6137, 34.5182,
20.9152

■ 29.9934, 39.0560,
34.7994

■ 19.3747, 33.9374,
18.2430

■ 33.6045, 40.8258,
39.1171

■ 18.4976, 33.5368,
15.8693

■ 37.7764, 42.8774,
43.7911

■ 17.9680, 33.3022,
14.1088

■ 42.5327, 45.2227,
48.8296

■ 47.8958, 47.8733,
54.2406

■ 53.8868, 50.8398,
60.0317

■ 60.5258, 54.1325,
66.2104

■ 67.8320, 57.7610,
72.7839

Harmonies

Analogous

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



27.6144, 36.3074, 17.4437



24.3485, 36.3074, 27.1975



23.6385, 36.3074, 43.9168

Triad

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



24.3485, 36.3074, 27.1975



36.0078, 36.3074, 86.0969



45.3673, 36.3074, 21.8763

Complementary

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



24.3485, 36.3074, 27.1975



26.6757, 18.2982, 25.4200

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.



48.2865, 36.3074, 35.4503



24.3485, 36.3074, 27.1975



42.4654, 36.3074, 75.1353

Square

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



24.3485, 36.3074, 27.1975



29.8794, 36.3074, 81.8168



47.1636, 36.3074, 55.1263



39.5939, 36.3074, 15.1043

Rectangle

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



24.3485, 36.3074, 27.1975



24.6193, 36.3074, 57.7775



47.1636, 36.3074, 55.1263



46.7456, 36.3074, 25.6003

Sweetspot

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



24.3495, 36.3089, 27.1983



65.6583, 76.3470, 76.2814



28.2938, 38.6168, 14.9799



13.8504, 16.3338, 16.1062



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.3495, 36.3089, 27.1983



39.8963, 63.7864, 42.5400



28.1788, 37.8406, 47.3631



8.5508, 9.5548, 9.8940



12.5735, 23.2554, 10.0231



0.4252, 0.7435, 0.4710

Inverse Universe

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



26.6757, 18.2982, 25.4200



44.5770, 27.5089, 38.9337



24.0814, 17.2604, 11.7581



8.6772, 8.5776, 9.7984



14.6077, 7.3606, 8.3599



0.4888, 0.2433, 0.4169

Previews

White Background



This preview shows how the XYZ color 24.3485, 36.3074, 27.1975 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 24.3485, 36.3074, 27.1975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

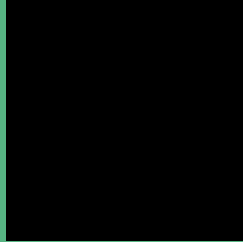
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3485, 36.3074, 27.1975

Background



This preview shows how black text looks on a background with the XYZ color 24.3485, 36.3074, 27.1975.



This preview shows how white text looks on a background with the XYZ color 24.3485, 36.3074,

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

24.3485, 36.3074, 27.1975

Protanopia

33.4913, 35.7791, 23.5532

Deuteranopia

36.4150, 35.6594, 28.2562



Tritanopia

29.3927, 36.2998, 52.4711

Trichromacy



Original Color

24.3485, 36.3074, 27.1975



Protanomaly

28.8596, 35.2367, 24.6823



Deuteranomaly

30.1562, 34.7562, 27.6735



Tritanomaly

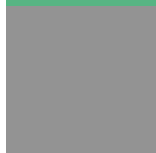
27.4302, 36.3821, 42.1359

Monochromacy



Original Color

24.3485, 36.3074, 27.1975



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.6633, 31.0793, 29.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3485, 36.3074, 27.1975 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(87, 180, 131)` looks like.

```
.text, #text, p{  
    color:rgb(87, 180, 131)  
}
```

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(87, 180, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 180, 131) }
```

Border

The CSS property to change the border of an element to XYZ 24.3485, 36.3074, 27.1975 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(87, 180, 131) }
```


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

```
.border{ border-color:rgb(87, 180, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 180, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 180, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 180, 131);  
box-shadow:4px 4px 4px 4px rgb(87, 180,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3485, 36.3074, 27.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 180, 131) }
```

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

```
.background{ background-color: rgb(87, 180,  
131) }
```

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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