

Converting Colors

XYZ(36.8225, 58.5635, 24.8199)

Have a look what the booklet for
XYZ(36.8225, 58.5635, 24.8199)
contains.

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Color

**XYZ(36.7893, 58.5977,
24.7007)**

Conversions

Conversions Part 1

Format	Color
Hex	72E170
RGB	114, 225, 112
RGB Percent	45%, 88%, 44%
CMY	0.5529, 0.1176, 0.5608
CMYK	0.49, 0.00, 0.50, 0.12
HSL	119°, 65%, 66%
HSV	119°, 50%, 88%
XYZ	36.7893, 58.5977, 24.7007
YIQ	178.9290, -29.8830, -58.6750

Conversions

Conversions Part 2

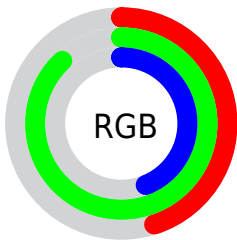
Format	Color
RYB	112, 225, 223
Decimal	7528816
CIELab	81.07, -54.02, 45.38
CIELCh	81, 70.552, 139.963
Yxy	58.5977, 0.3064, 0.4880
Android (android.graphics.Color)	4285718896 (0xFF72E170)
YUV	178.9290, -32.9960, -56.9427
Hunter-Lab	76.5491, -48.1744, 34.4528

Details

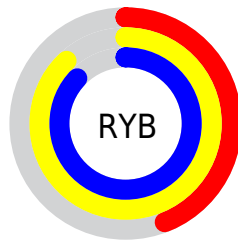
The XYZ color **36.7893, 58.5977, 24.7007** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **49.8191, 32.7145, 74.9260**, and the grayscale version is **42.9929, 45.2318, 49.2575**.

A 20% lighter version of the original color is **59.6562, 83.0438, 48.9612**, and **16.4198, 29.4322, 9.0905** is the 20% darker color. If you saturate the color by 10%, you get **33.1542, 56.8526, 18.7885**, and if you desaturate by 10%, it is **41.4348, 60.8310, 32.2965**.

Distribution



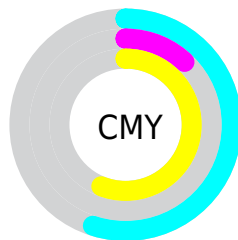
- Red (45%)
- Green (88%)
- Blue (44%)



- Red (44%)
- Yellow (88%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)



- Cyan (55%)
- Magenta (12%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7893, 58.5977, 24.7007 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 36.7893, 58.5977, 24.7007 by changing the saturation by 10% instead.

■ 36.7893, 58.5977,
24.7007

■ 36.7893, 58.5977,
24.7007

323.7688,
419.4094, 289.7439

■ 25.2173, 42.2894,
15.6372

■ 69.5645, 102.7927,
52.1293

■ 16.3686, 29.3279,
9.1162

■ 91.4985, 131.4482,
71.3316

■ 9.8779, 19.3290,
4.7192

■ 117.6172,
164.9882, 94.7505

■ 5.3797, 11.9083,
2.0276

148.2860,
203.7971, 122.8046

■ 2.5088, 6.6812,
0.5722

183.8702,
248.2592, 155.9125

■ 0.8997, 3.2636,
0.0000

224.7351,

■ 0.0000, 1.2708,

298.7591, 194.4926

0.0000

271.2462,
355.6810, 238.9636

■ 0.0000, 0.1185,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7893, 58.5977,
24.7007

■ 36.7893, 58.5977,
24.7007

■ 33.1542, 56.8526,
18.7885

■ 41.4348, 60.8310,
32.2965

■ 30.4506, 55.5525,
14.4283


■ 47.1537, 63.5773,
41.6864


■ 28.5950, 54.6594,
11.4758


■ 54.0086, 66.8683,
52.9761


■ 27.4868, 54.1250,
9.7576

■ 62.0562, 70.7313,
66.2619

 26.9762, 53.8784,
8.9778

 71.3496, 75.1916,
81.6337

 81.9385, 80.2730,
99.1759

 86.2164, 82.3328,
105.9555

Harmonies

Analogous

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



46.6193, 58.5977, 14.0434



36.7893, 58.5977, 24.7007



32.3038, 58.5977, 50.7483

Triad

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



36.7893, 58.5977, 24.7007



50.9280, 58.5977, 180.8018



86.5953, 58.5977, 40.0291

Complementary

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



36.7893, 58.5977, 24.7007



49.8191, 32.7145, 74.9260

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.



88.2998, 58.5977, 78.9238



36.7893, 58.5977, 24.7007



65.8789, 58.5977, 173.6617

Square

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



36.7893, 58.5977, 24.7007



39.4663, 58.5977, 147.6651



80.1711, 58.5977, 131.0561



75.8562, 58.5977, 19.8189

Rectangle

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



36.7893, 58.5977, 24.7007



32.2995, 58.5977, 78.8064



80.1711, 58.5977, 131.0561



88.3083, 58.5977, 50.8359

Sweetspot

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



36.7907, 58.6002, 24.7020



76.9940, 91.3339, 79.0465



59.8967, 69.0166, 25.4948



16.0013, 19.3195, 16.1293



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.



36.7907, 58.6002, 24.7020



43.9494, 75.4647, 24.8202



40.3765, 60.0048, 44.9259



13.5511, 15.3487, 14.5552



15.5545, 31.0511, 5.1737



1.0862, 2.1564, 0.3590

Inverse Universe

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



49.8191, 32.7145, 74.9260



63.0531, 37.4733, 98.5175



44.3196, 30.5862, 42.7338



14.2698, 13.9226, 17.3229



25.0295, 11.9985, 42.0451



1.7427, 0.8357, 2.9147

Previews

White Background



This preview shows how the XYZ color 36.7893, 58.5977, 24.7007 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 36.7893, 58.5977, 24.7007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

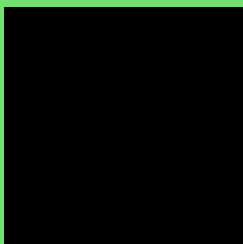
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

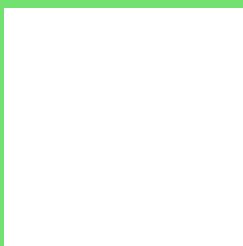
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7893, 58.5977, 24.7007

Background



This preview shows how black text looks on a background with the XYZ color 36.7893, 58.5977, 24.7007.

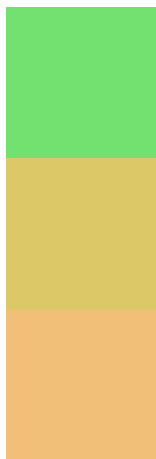


This preview shows how white text looks on a background with the XYZ color 36.7893, 58.5977,

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

36.7893, 58.5977, 24.7007

Protanopia

52.9213, 57.6600, 21.1722

Deuteranopia

58.6999, 57.5193, 26.0977



Tritanopia

48.3338, 58.2331, 82.8214

Trichromacy



Original Color

36.7893, 58.5977, 24.7007



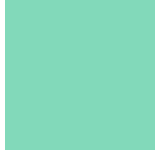
Protanomaly

44.6934, 56.5866, 22.2024



Deuteranomaly

47.1316, 55.6220, 25.3916



Tritanomaly

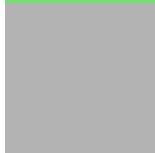
42.8817, 57.9167, 55.3733

Monochromacy



Original Color

36.7893, 58.5977, 24.7007



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.1739, 48.8150, 38.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7893, 58.5977, 24.7007 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(114, 225, 112)` looks like.

```
.text, #text, p{  
    color:rgb(114, 225, 112)  
}
```

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(114, 225, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 225, 112) }
```

Border

The CSS property to change the border of an element to XYZ 36.7893, 58.5977, 24.7007 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(114, 225, 112) }
```


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

```
.border{ border-color:rgb(114, 225, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 225, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 225, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 225, 112); box-shadow:4px 4px 4px 4px rgb(114, 225, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7893, 58.5977, 24.7007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 225, 112) }
```

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

```
.background{ background-color: rgb(114,  
225, 112) }
```

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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