

Converting Colors

XYZ(24.9955, 36.4467, 12.6880)

Have a look what the booklet for
XYZ(24.9955, 36.4467, 12.6880)
contains.

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Color

**XYZ(25.0057, 36.3697,
12.7233)**

Conversions

Conversions Part 1

Format	Color
Hex	78B24D
RGB	120, 178, 77
RGB Percent	47%, 70%, 30%
CMY	0.5294, 0.3019, 0.6980
CMYK	0.33, 0.00, 0.57, 0.30
HSL	94°, 40%, 50%
HSV	94°, 57%, 70%
XYZ	25.0057, 36.3697, 12.7233
YIQ	149.1440, -2.1470, -43.7070

Conversions

Conversions Part 2

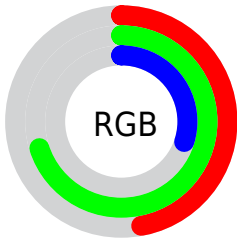
Format	Color
RYB	77, 178, 135
Decimal	7909965
CIELab	66.80, -36.52, 44.98
CIElCh	67, 57.940, 129.071
Yxy	36.3697, 0.3375, 0.4908
Android (android.graphics.Color)	4286100045 (0xFF78B24D)
YUV	149.1440, -35.5670, -25.5593
Hunter-Lab	60.3073, -31.5249, 29.7064

Details

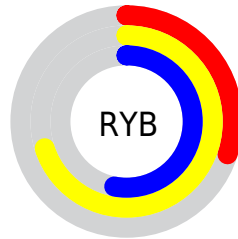
The XYZ color **25.0057, 36.3697, 12.7233** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.6831, 13.6741, 43.6708**, and the grayscale version is **28.7743, 30.2728, 32.9671**.

A 20% lighter version of the original color is **51.0645, 69.5446, 31.5009**, and **9.7559, 15.8957, 3.4737** is the 20% darker color. If you saturate the color by 10%, you get **23.1186, 35.4610, 9.7914**, and if you desaturate by 10%, it is **27.2179, 37.4284, 16.5695**.

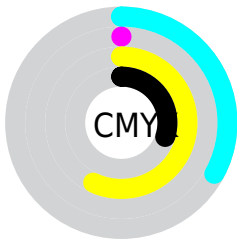
Distribution



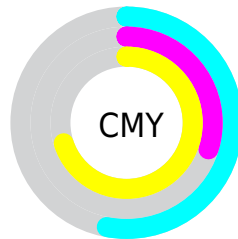
- Red (47%)
- Green (70%)
- Blue (30%)



- Red (30%)
- Yellow (70%)
- Blue (53%)



- Cyan (33%)
- Magenta (0%)
- Yellow (57%)
- Black (30%)





- Cyan (53%)
- Magenta (30%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0057, 36.3697, 12.7233 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 25.0057, 36.3697, 12.7233 by changing the saturation by 10% instead.


 25.0057, 36.3697,
12.7233


 25.0057, 36.3697,
12.7233


270.2134,
330.5736, 220.2818


 16.2101, 24.7199,
7.1098


 51.1093, 69.6023,
31.4896

 9.7647, 15.8685,
3.4514


 69.1480, 91.9539,
45.4796


 5.3043, 9.4311,
1.3295


 90.9983, 118.6414,
63.0987

 2.4635, 5.0234,
0.0858

 117.0258,
150.0494, 84.7657

 0.8769, 2.2610,
0.0000

 147.5957,
186.5623, 110.8989

 0.0000, 0.7530,
0.0000

183.0733,

 0.0000, 0.0000,

228.5643, 141.9170

0.0000

223.8241,
276.4399, 178.2384

■ 25.0057, 36.3697,
12.7233

■ 25.0057, 36.3697,
12.7233

■ 23.1186, 35.4610,
9.7914

■ 27.2179, 37.4284,
16.5695

■ 21.5349, 34.6893,
7.6955

■ 29.7699, 38.6399,
21.3953

■ 20.2337, 34.0470,
6.3479

■ 32.6786, 40.0125,
27.2624

■ 19.1866, 33.5220,
5.6258

■ 35.9585, 41.5526,
34.2271

■ 18.8841, 33.3698,
5.4457

■ 39.6238, 43.2663,
42.3416

■ 43.6873, 45.1592,
51.6545

■ 48.1617, 47.2368,
62.2118

■ 53.0587, 49.5042,
74.0572

■ 58.3897, 51.9664,
87.2320

Harmonies

Analogous

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



31.9812, 36.3697, 8.5204



25.0057, 36.3697, 12.7233



21.1072, 36.3697, 24.7537

Triad

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



25.0057, 36.3697, 12.7233



28.8965, 36.3697, 103.8648



54.0011, 36.3697, 32.4744

Complementary

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



25.0057, 36.3697, 12.7233



20.6831, 13.6741, 43.6708

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.



52.7982, 36.3697, 59.4409



25.0057, 36.3697, 12.7233



37.2913, 36.3697, 108.8451

Square

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



25.0057, 36.3697, 12.7233



23.0759, 36.3697, 78.4274



46.3025, 36.3697, 90.0672



49.3554, 36.3697, 16.3214

Rectangle

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



25.0057, 36.3697, 12.7233



20.3194, 36.3697, 38.8242



46.3025, 36.3697, 90.0672



54.2821, 36.3697, 40.3869

Sweetspot

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



25.0066, 36.3713, 12.7241



64.8584, 75.1869, 61.3134



28.2585, 27.1170, 10.7664



14.0984, 16.5306, 12.9997



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.



25.0066, 36.3713, 12.7241



41.1733, 63.9398, 16.6954



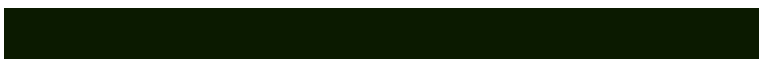
20.5719, 34.0562, 13.8227



8.7205, 9.6610, 9.0577



13.5801, 23.9109, 3.8995



0.4945, 0.7870, 0.1258

Inverse Universe

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



20.6831, 13.6741, 43.6708



32.5296, 18.7468, 78.2852



28.3916, 17.7242, 40.5881



8.4936, 8.4630, 10.6922



9.7616, 4.3681, 30.4656



0.3722, 0.1710, 0.9616

Previews

White Background



This preview shows how the XYZ color 25.0057, 36.3697, 12.7233 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 25.0057, 36.3697, 12.7233 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 25.0057, 36.3697, 12.7233

Background



This preview shows how black text looks on a background with the XYZ color 25.0057, 36.3697, 12.7233.



This preview shows how white text looks on a background with the XYZ color 25.0057, 36.3697,

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

25.0057, 36.3697, 12.7233

Protanopia

32.9124, 36.0118, 11.3472

Deuteranopia

36.7090, 35.8934, 13.3809



Tritanopia

32.3125, 36.2079, 49.0018

Trichromacy



Original Color

25.0057, 36.3697, 12.7233

Protanomaly

29.3392, 35.7688, 11.8363

Deuteranomaly

31.1600, 35.3345, 12.9625

Tritanomaly

28.7268, 35.8548, 31.3932

Monochromacy



Original Color

25.0057, 36.3697, 12.7233

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

26.6272, 31.9749, 23.5073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0057, 36.3697, 12.7233 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(120, 178, 77)` looks like.

```
.text, #text, p{  
    color:rgb(120, 178, 77)  
}
```

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(120, 178, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 178, 77) }
```

Border

The CSS property to change the border of an element to XYZ 25.0057, 36.3697, 12.7233 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(120, 178, 77) }
```


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

```
.border{ border-color:rgb(120, 178, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 178, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 178, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 178, 77);  
box-shadow:4px 4px 4px 4px rgb(120, 178,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0057, 36.3697, 12.7233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 178, 77) }
```

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

```
.background{ background-color: rgb(120,  
178, 77) }
```

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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