

Converting Colors

XYZ(24.6489, 36.1708, 14.8017)

Have a look what the booklet for
XYZ(24.6489, 36.1708, 14.8017)
contains.

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Color

**XYZ(24.5801, 36.1063,
14.6905)**

Conversions

Conversions Part 1

Format	Color
Hex	72B257
RGB	114, 178, 87
RGB Percent	45%, 70%, 34%
CMY	0.5529, 0.3019, 0.6588
CMYK	0.36, 0.00, 0.51, 0.30
HSL	102°, 37%, 52%
HSV	102°, 51%, 70%
XYZ	24.5801, 36.1063, 14.6905
YIQ	148.4900, -8.9330, -41.8690

Conversions

Conversions Part 2

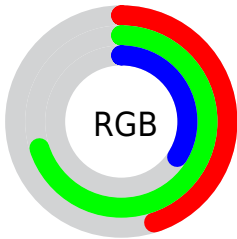
Format	Color
RYB	87, 178, 151
Decimal	7516759
CIELab	66.60, -37.48, 39.84
CIELCh	67, 54.699, 133.256
Yxy	36.1063, 0.3261, 0.4790
Android (android.graphics.Color)	4285706839 (0xFF72B257)
YUV	148.4900, -30.3146, -30.2477
Hunter-Lab	60.0885, -32.1368, 27.5667

Details

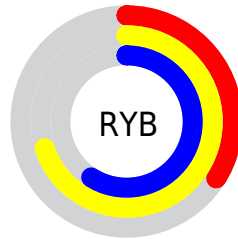
The XYZ color **24.5801, 36.1063, 14.6905** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **24.2082, 16.6112, 44.0518**, and the grayscale version is **28.4795, 29.9627, 32.6293**.

A 20% lighter version of the original color is **50.4452, 69.1447, 35.1136**, and **9.5920, 15.7929, 4.2930** is the 20% darker color. If you saturate the color by 10%, you get **22.4224, 35.0690, 11.2504**, and if you desaturate by 10%, it is **27.1418, 37.3334, 19.0870**.

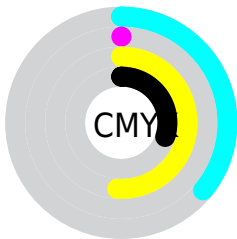
Distribution



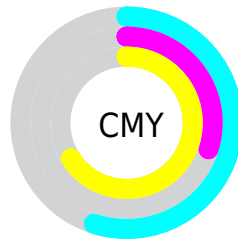
- Red (45%)
- Green (70%)
- Blue (34%)



- Red (34%)
- Yellow (70%)
- Blue (59%)



- Cyan (36%)
- Magenta (0%)
- Yellow (51%)
- Black (30%)



- Cyan (55%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5801, 36.1063, 14.6905 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 24.5801, 36.1063, 14.6905 by changing the saturation by 10% instead.

■ 24.5801, 36.1063,
14.6905

■ 24.5801, 36.1063,
14.6905

268.1267,
329.4249, 233.0611

■ 15.8916, 24.5163,
8.4583

■ 50.4230, 69.1961,
35.0439

■ 9.5378, 15.7171,
4.2976

■ 68.3081, 91.4647,
50.0021

■ 5.1535, 9.3242,
1.7900

■ 89.9894, 118.0616,
68.7061

■ 2.3733, 4.9532,
0.4213

■ 115.8323,
149.3713, 91.5744

■ 0.8318, 2.2198,
0.0000

■ 146.2021,
185.7780, 119.0254

■ 0.0000, 0.7308,
0.0000

181.4642,

■ 0.0000, 0.0000,

227.6663, 151.4779

0.0000

221.9839,
275.4205, 189.3503

■ 24.5801, 36.1063,
14.6905

■ 24.5801, 36.1063,
14.6905

■ 22.4224, 35.0690,
11.2504

■ 27.1418, 37.3334,
19.0870

■ 20.6437, 34.2068,
8.6931

■ 30.1255, 38.7547,
24.5015

■ 19.2199, 33.5101,
6.9385

■ 33.5510, 40.3805,
30.9931

■ 18.1225, 32.9665,
5.8905

■ 37.4362, 42.2187,
38.6158

■ 17.3793, 32.5940,
5.3753

■ 41.7979, 44.2769,
47.4198

■ 46.6521, 46.5623,
57.4526

■ 52.0139, 49.0817,
68.7587

■ 57.8977, 51.8417,
81.3807

■ 64.3176, 54.8485,
95.3591

Harmonies

Analogous

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



30.8172, 36.1063, 9.6512



24.5801, 36.1063, 14.6905



21.2905, 36.1063, 27.6542

Triad

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



24.5801, 36.1063, 14.6905



29.9599, 36.1063, 100.6029



52.1307, 36.1063, 29.8141

Complementary

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



24.5801, 36.1063, 14.6905



24.2082, 16.6112, 44.0518

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.



51.8021, 36.1063, 53.8611



24.5801, 36.1063, 14.6905



38.0742, 36.1063, 101.9436

Square

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



24.5801, 36.1063, 14.6905



24.0393, 36.1063, 79.2425



46.3380, 36.1063, 82.3937



47.1745, 36.1063, 15.7251

Rectangle

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



24.5801, 36.1063, 14.6905



20.8247, 36.1063, 41.9434



46.3380, 36.1063, 82.3937



52.6556, 36.1063, 36.7962

Sweetspot

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



24.5810, 36.1078, 14.6913



64.8679, 75.1312, 64.0520



31.1003, 32.1914, 13.5917



14.0468, 16.4917, 13.5542



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.



24.5810, 36.1078, 14.6913



40.3306, 63.4335, 19.9030



22.4121, 34.8927, 18.9730



8.6181, 9.6082, 9.0529



12.4907, 23.3493, 3.8485



0.4531, 0.7657, 0.1239

Inverse Universe

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



24.2082, 16.6112, 44.0518



39.5201, 24.1802, 78.9655



28.0973, 18.8134, 35.3181



8.5996, 8.5176, 10.6971



11.8866, 5.4636, 30.5651



0.4291, 0.2003, 0.9643

Previews

White Background



This preview shows how the XYZ color 24.5801, 36.1063, 14.6905 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 24.5801, 36.1063, 14.6905 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 24.5801, 36.1063, 14.6905

Background



This preview shows how black text looks on a background with the XYZ color 24.5801, 36.1063, 14.6905.



This preview shows how white text looks on a background with the XYZ color 24.5801, 36.1063,

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

24.5801, 36.1063, 14.6905

Protanopia

32.5902, 35.5488, 12.9285

Deuteranopia

36.2963, 35.6373, 15.3216



Tritanopia

31.5490, 36.0873, 49.0188

Trichromacy



Original Color

24.5801, 36.1063, 14.6905

Protanomaly

28.8976, 35.2305, 13.4607

Deuteranomaly

30.7114, 35.0567, 15.0455

Tritanomaly

28.3312, 35.8967, 33.0393

Monochromacy



Original Color

24.5801, 36.1063, 14.6905

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.3174, 31.5369, 24.4388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5801, 36.1063, 14.6905 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, 178, 87)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 87)  
}
```

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, 178, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.5801, 36.1063, 14.6905 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, 178, 87) }
```


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

```
.border{ border-color:rgb(114, 178, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 178, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 87);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5801, 36.1063, 14.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 87) }
```

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

```
.background{ background-color: rgb(114,  
178, 87) }
```

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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