

Converting Colors

XYZ(24.3800, 34.2241, 8.5011)

Have a look what the booklet for
XYZ(24.3800, 34.2241, 8.5011)
contains.

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Color

**XYZ(24.3664, 34.1107,
8.4317)**

Conversions

Conversions Part 1

Format	Color
Hex	82AB33
RGB	130, 171, 51
RGB Percent	51%, 67%, 20%
CMY	0.4902, 0.3294, 0.8000
CMYK	0.24, 0.00, 0.70, 0.33
HSL	81°, 54%, 44%
HSV	81°, 70%, 67%
XYZ	24.3664, 34.1107, 8.4317
YIQ	145.0610, 14.0840, -46.0120

Conversions

Conversions Part 2

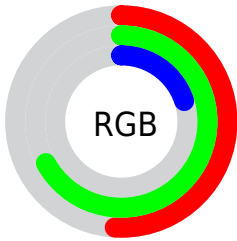
Format	Color
RYB	51, 171, 92
Decimal	8563507
CIELab	65.05, -31.73, 54.49
CIELCh	65, 63.057, 120.207
Yxy	34.1107, 0.3642, 0.5098
Android (android.graphics.Color)	4286753587 (0xFF82AB33)
YUV	145.0610, -46.3721, -13.2085
Hunter-Lab	58.4044, -27.7371, 32.3235

Details

The XYZ color **24.3664, 34.1107, 8.4317** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.9495, 7.5841, 39.3115**, and the grayscale version is **27.1179, 28.5302, 31.0694**.

A 20% lighter version of the original color is **50.2686, 66.3972, 23.5311**, and **9.5773, 14.7302, 2.3384** is the 20% darker color. If you saturate the color by 10%, you get **23.1859, 33.5391, 6.7577**, and if you desaturate by 10%, it is **25.7381, 34.7671, 10.8397**.

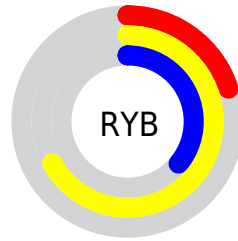
Distribution



Red (51%)

Green (67%)

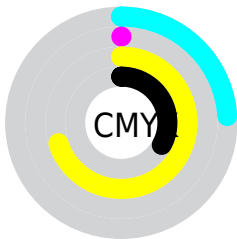
Blue (20%)



Red (20%)

Yellow (67%)

Blue (36%)

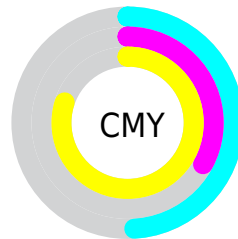


Cyan (24%)

Magenta (0%)

Yellow (70%)

Black (33%)



Cyan (49%)

Magenta (33%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3664, 34.1107, 8.4317 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 24.3664, 34.1107, 8.4317 by changing the saturation by 10% instead.

■ 24.3664, 34.1107,
8.4317

■ 24.3664, 34.1107,
8.4317

267.0739,
320.6254, 189.1392

■ 15.7318, 22.9787,
4.2807

■ 50.0778, 66.1058,
23.3605

■ 9.4242, 14.5777,
1.7806

■ 67.8853, 87.7376,
34.9754

■ 5.0782, 8.5236,
0.4151

■ 89.4813, 113.6381,
49.9152

■ 2.3285, 4.4318,
0.0000

■ 115.2309,
144.1918, 68.5987

■ 0.8092, 1.9179,
0.0000

■ 145.4996,
179.7829, 91.4443

■ 0.0000, 0.5591,
0.0000

■ 180.6528,

■ 0.0000, 0.0000,

220.7960, 118.8705

0.0000

221.0558,
267.6153, 151.2960

■ 24.3664, 34.1107,
8.4317

■ 24.3664, 34.1107,
8.4317

■ 23.1859, 33.5391,
6.7577

■ 25.7381, 34.7671,
10.8397

■ 22.1772, 33.0407,
5.7309

■ 27.3131, 35.5096,
14.0515

■ 21.3188, 32.6097,
5.1707

■ 29.1049, 36.3448,
18.1311

■ 31.1252, 37.2777,
23.1355

■ 33.3846, 38.3124,
29.1169

■ 35.8930, 39.4530,
36.1236

■ 38.6597, 40.7034,
44.2006

■ 41.6935, 42.0671,
53.3902

■ 45.0027, 43.5476,
63.7326

Harmonies

Analogous

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



32.3578, 34.1107, 6.1378



24.3664, 34.1107, 8.4317



19.4478, 34.1107, 17.3417

Triad

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



24.3664, 34.1107, 8.4317



24.4573, 34.1107, 100.0895



53.3359, 34.1107, 36.9595

Complementary

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



24.3664, 34.1107, 8.4317



12.9495, 7.5841, 39.3115

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.



50.1673, 34.1107, 68.1418



24.3664, 34.1107, 8.4317



32.4846, 34.1107, 113.5174

Square

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



24.3664, 34.1107, 8.4317



19.4930, 34.1107, 68.6142



42.0802, 34.1107, 99.7384



50.0826, 34.1107, 17.1531

Rectangle

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



24.3664, 34.1107, 8.4317



18.0160, 34.1107, 29.2285



42.0802, 34.1107, 99.7384



52.9804, 34.1107, 46.3657

Sweetspot

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



24.3672, 34.1122, 8.4324



59.2794, 68.3802, 50.7666



21.1345, 16.3803, 5.1802



12.9719, 15.1358, 10.6562



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.3672, 34.1122, 8.4324



40.5268, 59.5738, 10.9919



17.7601, 30.7061, 8.1232



8.3929, 9.1911, 8.5451



16.1284, 24.6116, 3.9005



0.5042, 0.7133, 0.1111

Inverse Universe

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



12.9495, 7.5841, 39.3115



18.9450, 9.1598, 69.7714



21.2983, 11.8881, 39.7022



7.8273, 7.8853, 10.0622



6.9273, 2.9310, 29.2451



0.2523, 0.1123, 0.8164

Previews

White Background



This preview shows how the XYZ color 24.3664, 34.1107, 8.4317 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 24.3664, 34.1107, 8.4317 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 24.3664, 34.1107, 8.4317

Background



This preview shows how black text looks on a background with the XYZ color 24.3664, 34.1107, 8.4317.



This preview shows how white text looks on a background with the XYZ color 24.3664, 34.1107,

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

24.3664, 34.1107, 8.4317

Protanopia

30.6649, 33.8972, 7.7229

Deuteranopia

34.4607, 33.8642, 8.8578



Tritanopia

31.5188, 34.0495, 43.9407

Trichromacy



Original Color

24.3664, 34.1107, 8.4317

Protanomaly

27.9496, 33.7871, 7.9542

Deuteranomaly

29.9539, 33.5099, 8.6307

Tritanomaly

27.8192, 33.5984, 25.4410

Monochromacy



Original Color

24.3664, 34.1107, 8.4317

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.2401, 29.8343, 19.4672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3664, 34.1107, 8.4317 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(130, 171, 51)` looks like.

```
.text, #text, p{  
    color:rgb(130, 171, 51)  
}
```

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(130, 171, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 171, 51) }
```

Border

The CSS property to change the border of an element to XYZ 24.3664, 34.1107, 8.4317 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(130, 171, 51) }
```


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

```
.border{ border-color:rgb(130, 171, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 171, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 171, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 171, 51);  
box-shadow:4px 4px 4px 4px rgb(130, 171,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3664, 34.1107, 8.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 171, 51) }
```

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

```
.background{ background-color: rgb(130,  
171, 51) }
```

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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