

Converting Colors

XYZ(37.2238, 46.0195, 24.7228)

Have a look what the booklet for
XYZ(37.2238, 46.0195, 24.7228)
contains.

XYZ(37.3207, 46.1823, 24.7164)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.3207, 46.1823,
24.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	A5BE78
RGB	165, 190, 120
RGB Percent	65%, 75%, 47%
CMY	0.3529, 0.2549, 0.5294
CMYK	0.13, 0.00, 0.37, 0.25
HSL	81°, 35%, 61%
HSV	81°, 37%, 75%
XYZ	37.3207, 46.1823, 24.7164
YIQ	174.5450, 7.5700, -27.0700

Conversions

Conversions Part 2

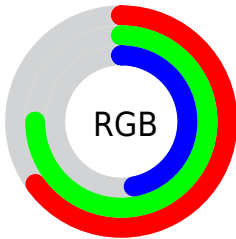
Format	Color
RYB	120, 190, 145
Decimal	10862200
CIELab	73.66, -20.35, 32.59
CIElCh	74, 38.419, 121.979
Yxy	46.1823, 0.3449, 0.4267
Android (android.graphics.Color)	4289052280 (0xFFA5BE78)
YUV	174.5450, -26.8907, -8.3710
Hunter-Lab	67.9576, -20.8977, 26.0063

Details

The XYZ color **37.3207, 46.1823, 24.7164** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.6896, 23.1717, 51.7309**, and the grayscale version is **40.6452, 42.7619, 46.5677**.

A 20% lighter version of the original color is **70.3174, 84.3008, 52.1007**, and **16.7332, 21.7783, 9.1160** is the 20% darker color. If you saturate the color by 10%, you get **34.9061, 45.0593, 19.1699**, and if you desaturate by 10%, it is **40.0414, 47.4396, 31.4735**.

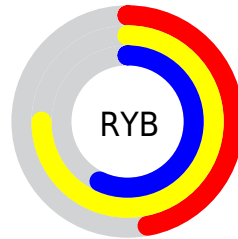
Distribution



Red (65%)

Green (75%)

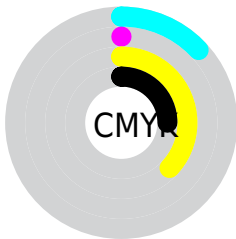
Blue (47%)



Red (47%)

Yellow (75%)

Blue (57%)

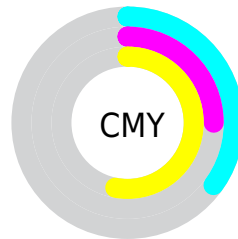


Cyan (13%)

Magenta (0%)

Yellow (37%)

Black (25%)



Cyan (35%)

Magenta (25%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3207, 46.1823, 24.7164 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 37.3207, 46.1823, 24.7164 by changing the saturation by 10% instead.

■ 37.3207, 46.1823,
24.7164

■ 37.3207, 46.1823,
24.7164

326.0284,
371.5411, 289.8250

■ 25.6307, 32.3897,
15.6488

■ 70.3764, 84.4918,
52.1552

■ 16.6788, 21.6593,
9.1243

■ 92.4728, 109.7774,
71.3634

■ 10.0996, 13.6068,
4.7244

■ 118.7687,
139.6629, 94.7890

■ 5.5278, 7.8477,
2.0306

149.6295,
174.5325, 122.8503

■ 2.5981, 3.9976,
0.5740

185.4205,
214.7708, 155.9661

■ 0.9450, 1.6722,
0.0000

226.5071,

■ 0.0000, 0.4056,

260.7620, 194.5547

0.0000

273.2546,
312.8907, 239.0348

■ 0.0000, 0.0000,
0.0000

■ 37.3207, 46.1823,
24.7164

■ 37.3207, 46.1823,
24.7164

■ 34.9061, 45.0593,
19.1699

■ 40.0414, 47.4396,
31.4735

■ 32.7793, 44.0583,
14.7593

■ 43.0783, 48.8306,
39.5039

■ 30.9254, 43.1748,
11.4064


■ 46.4453, 50.3625,
48.8698


■ 29.3261, 42.4015,
9.0216


■ 50.1543, 52.0403,
59.6283

■ 27.9603, 41.7297,
7.5007


■ 54.2164, 53.8685,
71.8331


 26.8000, 41.1480,
6.7021

 58.6426, 55.8515,
85.5352

 26.4599, 40.9764,
6.5147

 63.4428, 57.9936,
100.7830

 65.7665, 59.1546,
102.5595

 67.8539, 60.2307,
102.6571

Harmonies

Analogous

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



43.4445, 46.1823, 21.3522



37.3207, 46.1823, 24.7164



33.3233, 46.1823, 34.6480

Triad

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



37.3207, 46.1823, 24.7164



38.0277, 46.1823, 91.1718



58.3204, 46.1823, 49.0014

Complementary

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



37.3207, 46.1823, 24.7164



27.6896, 23.1717, 51.7309

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.



56.4946, 46.1823, 70.0342



37.3207, 46.1823, 24.7164



44.3484, 46.1823, 97.8292

Square

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



37.3207, 46.1823, 24.7164



33.7009, 46.1823, 72.8675



51.1991, 46.1823, 89.2607



55.9616, 46.1823, 32.9283

Rectangle

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



37.3207, 46.1823, 24.7164



32.1665, 46.1823, 45.2324



51.1991, 46.1823, 89.2607



58.1752, 46.1823, 55.6998

Sweetspot

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



37.3219, 46.1843, 24.7174



81.4412, 90.0240, 80.8924



34.6762, 32.4031, 22.1968



17.6999, 19.6848, 17.2520



92.9021, 97.7402, 106.4391



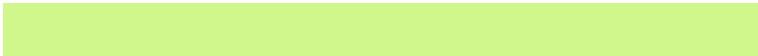
19.4759, 20.4902, 22.3138

Same Dimension

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



37.3219, 46.1843, 24.7174



64.1392, 82.0647, 36.7007



31.0879, 42.9706, 24.4256



9.9826, 10.9455, 10.1632



17.6814, 27.2910, 4.3358



0.7614, 1.1045, 0.1731

Inverse Universe

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



27.6896, 23.1717, 51.7309



44.2258, 34.4554, 92.5987



34.7186, 26.7953, 52.0599



9.3295, 9.3867, 11.9923



7.8375, 3.3265, 32.6219



0.3792, 0.1675, 1.2812

Previews

White Background



This preview shows how the XYZ color 37.3207, 46.1823, 24.7164 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 37.3207, 46.1823, 24.7164 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 37.3207, 46.1823, 24.7164

Background



This preview shows how black text looks on a background with the XYZ color 37.3207, 46.1823, 24.7164.



This preview shows how white text looks on a background with the XYZ color 37.3207, 46.1823,

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

37.3207, 46.1823, 24.7164

Protanopia

42.7022, 46.1790, 23.1858

Deuteranopia

46.9006, 45.9413, 25.4644



Tritanopia

44.0534, 46.1018, 58.2064

Trichromacy



Original Color

37.3207, 46.1823, 24.7164

Protanomaly

40.3590, 45.8796, 23.5581

Deuteranomaly

42.7212, 45.5406, 25.2775

Tritanomaly

41.0030, 45.7661, 43.7184

Monochromacy



Original Color

37.3207, 46.1823, 24.7164

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.0322, 43.6670, 37.3817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3207, 46.1823, 24.7164 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(165, 190, 120)` looks like.

```
.text, #text, p{  
    color:rgb(165, 190, 120)  
}
```

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(165, 190, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 190, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.3207, 46.1823, 24.7164 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(165, 190, 120) }
```


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

```
.border{ border-color:rgb(165, 190, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 190, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 190, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 190, 120);  
box-shadow:4px 4px 4px 4px rgb(165, 190,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3207, 46.1823, 24.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 190, 120) }
```

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

```
.background{ background-color: rgb(165,  
190, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor