

Converting Colors

XYZ(32.7520, 42.6368, 22.8481)

Have a look what the booklet for
XYZ(32.7520, 42.6368, 22.8481)
contains.

XYZ(32.6860, 42.5587, 22.7116)	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(32.6860, 42.5587,
22.7116)**

Conversions

Conversions Part 1

Format	Color
Hex	93BA73
RGB	147, 186, 115
RGB Percent	58%, 73%, 45%
CMY	0.4235, 0.2706, 0.5490
CMYK	0.21, 0.00, 0.38, 0.27
HSL	93°, 34%, 59%
HSV	93°, 38%, 73%
XYZ	32.6860, 42.5587, 22.7116
YIQ	166.2450, -0.4530, -30.3490

Conversions

Conversions Part 2

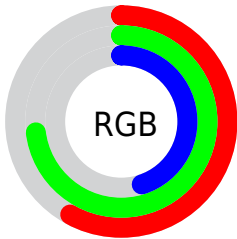
Format	Color
RYB	115, 186, 154
Decimal	9681523
CIELab	71.25, -25.79, 31.83
CIElCh	71, 40.967, 129.022
Yxy	42.5587, 0.3337, 0.4345
Android (android.graphics.Color)	4287871603 (0xFF93BA73)
YUV	166.2450, -25.2638, -16.8779
Hunter-Lab	65.2370, -24.7301, 25.0247

Details

The XYZ color **32.6860, 42.5587, 22.7116** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.3221, 22.6780, 49.3414**, and the grayscale version is **36.4836, 38.3836, 41.7997**.

A 20% lighter version of the original color is **63.1771, 78.8880, 48.9429**, and **14.0902, 19.6013, 8.1951** is the 20% darker color. If you saturate the color by 10%, you get **29.9705, 41.2716, 17.5501**, and if you desaturate by 10%, it is **35.7824, 44.0199, 29.0200**.

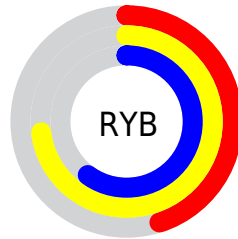
Distribution



Red (58%)

Green (73%)

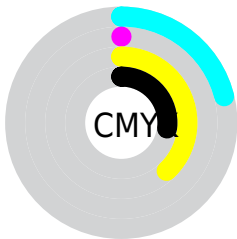
Blue (45%)



Red (45%)

Yellow (73%)

Blue (60%)

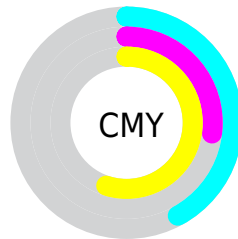


Cyan (21%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (42%)


Magenta (27%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6860, 42.5587, 22.7116 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 32.6860, 42.5587, 22.7116 by changing the saturation by 10% instead.


 32.6860, 42.5587,
22.7116


 32.6860, 42.5587,
22.7116


305.9225,
356.7938, 279.3140


 22.0441, 29.5390,
14.1774


 63.2430, 79.0445,
48.8365

 14.0061, 19.4890,
8.1040


 83.8887, 103.2794,
67.2643

 8.2066, 12.0241,
4.0728


 108.5998,
132.0215, 89.8271

 4.2804, 6.7601,
1.6654

137.7415,
165.6552, 116.9433

 1.8619, 3.3125,
0.3369

171.6793,
204.5649, 149.0316

 0.5546, 1.2970,
0.0000

210.7785,

 0.0000, 0.1389,

249.1349, 186.5104

0.0000

255.4045,
299.7498, 229.7984

■ 0.0000, 0.0000,
0.0000

■ 32.6860, 42.5587,
22.7116

■ 32.6860, 42.5587,
22.7116

■ 29.9705, 41.2716,
17.5501

■ 35.7824, 44.0199,
29.0200

■ 27.6154, 40.1455,
13.4638

■ 39.2726, 45.6564,
36.5357

■ 25.6030, 39.1743,
10.3770


■ 43.1726, 47.4765,
45.3184


■ 23.9122, 38.3490,
8.2032


■ 47.4965, 49.4865,
55.4228

■ 22.5190, 37.6595,
6.8412


■ 52.2579, 51.6919,
66.9006


 21.3879, 37.0910,
6.1296

 57.4695, 54.0985,
79.8005

 21.2003, 36.9964,
6.0236

 63.1436, 56.7114,
94.1689

 67.8413, 58.9556,
102.4117

 71.1936, 60.6838,
102.5686

Harmonies

Analogous

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



38.4132, 42.5587, 18.1049



32.6860, 42.5587, 22.7116



29.3212, 42.5587, 34.0643

Triad

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



32.6860, 42.5587, 22.7116



35.9005, 42.5587, 91.4357



54.9605, 42.5587, 40.6529

Complementary

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



32.6860, 42.5587, 22.7116



28.3221, 22.6780, 49.3414

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.



54.0908, 42.5587, 61.2568



32.6860, 42.5587, 22.7116



42.5591, 42.5587, 94.6843

Square

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



32.6860, 42.5587, 22.7116



31.0258, 42.5587, 74.4943



49.3571, 42.5587, 82.4114



51.6139, 42.5587, 26.3572

Rectangle

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



32.6860, 42.5587, 22.7116



28.6214, 42.5587, 45.6957



49.3571, 42.5587, 82.4114



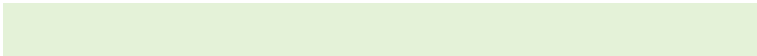
55.1589, 42.5587, 46.9886

Sweetspot

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



32.6871, 42.5606, 22.7125



76.0417, 85.0210, 77.0995



34.7154, 34.4174, 21.0338



16.5309, 18.6229, 16.4924



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.6871, 42.5606, 22.7125



54.9748, 75.1147, 33.0082



27.8630, 40.0577, 23.2069



9.2644, 10.2529, 9.5976



14.3461, 24.9320, 4.0562



0.5772, 0.9157, 0.1463

Inverse Universe

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



28.3221, 22.6780, 49.3414



45.9021, 33.8193, 88.3099



34.9955, 26.1471, 48.3509



8.9800, 8.9560, 11.3348



9.7500, 4.3375, 31.5764



0.4139, 0.1891, 1.1164

Previews

White Background



This preview shows how the XYZ color 32.6860, 42.5587, 22.7116 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 32.6860, 42.5587, 22.7116 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 32.6860, 42.5587, 22.7116

Background



This preview shows how black text looks on a background with the XYZ color 32.6860, 42.5587, 22.7116.



This preview shows how white text looks on a background with the XYZ color 32.6860, 42.5587,

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

32.6860, 42.5587, 22.7116

Protanopia

38.9368, 42.2167, 20.8483

Deuteranopia

42.9784, 42.0142, 23.2971



Tritanopia

39.2267, 42.4750, 55.4212

Trichromacy



Original Color

32.6860, 42.5587, 22.7116

Protanomaly

36.3006, 42.0093, 21.5246

Deuteranomaly

38.4633, 41.6342, 23.1485

Tritanomaly

36.2585, 42.1569, 40.8764

Monochromacy



Original Color

32.6860, 42.5587, 22.7116

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.5081, 39.3647, 33.3831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6860, 42.5587, 22.7116 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(147, 186, 115)` looks like.

```
.text, #text, p{  
    color:rgb(147, 186, 115)  
}
```

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(147, 186, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 186, 115) }
```

Border

The CSS property to change the border of an element to XYZ 32.6860, 42.5587, 22.7116 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(147, 186, 115) }
```


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

```
.border{ border-color:rgb(147, 186, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 186, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 186, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 186, 115);  
box-shadow:4px 4px 4px 4px rgb(147, 186,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6860, 42.5587, 22.7116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 186, 115) }
```

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

```
.background{ background-color: rgb(147,  
186, 115) }
```

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