

Converting Colors

XYZ(47.4557, 60.5034, 32.1545)

Have a look what the booklet for
XYZ(47.4557, 60.5034, 32.1545)
contains.

XYZ(47.2891, 60.3260, 32.0733)	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(47.2891, 60.3260,
32.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	B2D887
RGB	178, 216, 135
RGB Percent	70%, 85%, 53%
CMY	0.3020, 0.1529, 0.4706
CMYK	0.18, 0.00, 0.38, 0.15
HSL	88°, 51%, 69%
HSV	88°, 38%, 85%
XYZ	47.2891, 60.3260, 32.0733
YIQ	195.4040, 3.3530, -33.2470

Conversions

Conversions Part 2

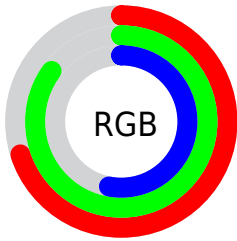
Format	Color
RYB	135, 216, 173
Decimal	11720839
CIELab	82.02, -26.28, 35.92
CIELCh	82, 44.507, 126.194
Yxy	60.3260, 0.3385, 0.4319
Android (android.graphics.Color)	4289910919 (0xFFB2D887)
YUV	195.4040, -29.7792, -15.2633
Hunter-Lab	77.6698, -27.2428, 29.8854

Details

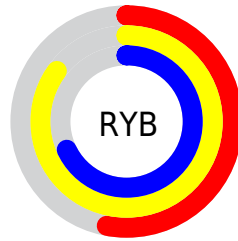
The XYZ color **47.2891, 60.3260, 32.0733** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.2948, 31.1717, 68.9676**, and the grayscale version is **52.2850, 55.0078, 59.9035**.

A 20% lighter version of the original color is **79.2063, 92.8563, 61.8926**, and **22.6573, 30.4149, 13.0640** is the 20% darker color. If you saturate the color by 10%, you get **43.6803, 58.6257, 24.7553**, and if you desaturate by 10%, it is **51.3813, 62.2436, 41.0269**.

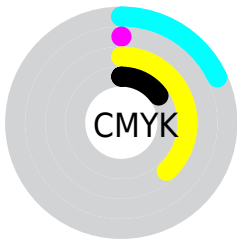
Distribution



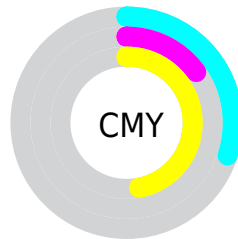
- Red (70%)
- Green (85%)
- Blue (53%)



- Red (53%)
- Yellow (85%)
- Blue (68%)



- Cyan (18%)
- Magenta (0%)
- Yellow (38%)
- Black (15%)





- Cyan (30%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2891, 60.3260, 32.0733 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 47.2891, 60.3260, 32.0733 by changing the saturation by 10% instead.


 47.2891, 60.3260,
32.0733


 47.2891, 60.3260,
32.0733

366.5970,
425.7984, 325.9560


 33.4732, 43.6815,
21.1522


 85.3611, 105.3024,
64.0252

 22.6501, 30.4202,
13.0430


 110.3479,
134.4031, 85.8931

 14.4547, 20.1577,
7.3271


 139.7890,
168.4246, 112.2471

 8.5214, 12.5097,
3.5859

174.0498,
207.7513, 143.5056

 4.4849, 7.0918,
1.4011

213.4957,
252.7677, 180.0872

 1.9800, 3.5196,
0.1425

258.4919,

 0.6227, 1.4086,

303.8580, 222.4104

0.0000

309.4039,
361.4068, 270.8939

■ 0.0000, 0.2231,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2891, 60.3260,
32.0733

■ 47.2891, 60.3260,
32.0733

■ 43.6803, 58.6257,
24.7553

■ 51.3813, 62.2436,
41.0269

■ 40.5279, 57.1254,
18.9700


■ 55.9732, 64.3792,
51.7029


■ 37.8089, 55.8174,
14.6087


■ 61.0856, 66.7438,
64.1867


■ 35.4956, 54.6902,
11.5471


■ 66.7369, 69.3449,
78.5568


 33.5562, 53.7307,
9.6393


 72.9443, 72.1899,
94.8872

 31.9488, 52.9214,
8.6860

 78.1387, 74.6515,
104.8986

 31.5827, 52.7361,
8.5145

 81.6533, 76.4634,
105.0631

 83.8472, 77.5943,
105.1657

Harmonies

Analogous

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



55.4051, 60.3260, 26.4201



47.2891, 60.3260, 32.0733



42.3054, 60.3260, 46.8845

Triad

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



47.2891, 60.3260, 32.0733



50.3301, 60.3260, 125.5268



77.3061, 60.3260, 60.2431

Complementary

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



47.2891, 60.3260, 32.0733



38.2948, 31.1717, 68.9676

Split Complementary

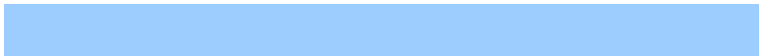
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5667, 60.3260, 88.9389



47.2891, 60.3260, 32.0733



59.3154, 60.3260, 131.9675

Square

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



47.2891, 60.3260, 32.0733



43.9219, 60.3260, 101.3445



68.7184, 60.3260, 117.1000



73.2408, 60.3260, 39.5575

Rectangle

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



47.2891, 60.3260, 32.0733



41.0909, 60.3260, 62.2995



68.7184, 60.3260, 117.1000



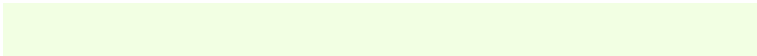
77.3864, 60.3260, 69.1905

Sweetspot

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



47.2906, 60.3286, 32.0746



86.1811, 95.9121, 86.6075



47.5996, 46.1609, 29.3237



18.2266, 20.4276, 17.9996



0.0000, 0.0000, 0.0000



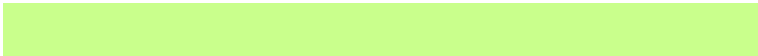
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2906, 60.3286, 32.0746



64.6429, 85.8607, 38.0734



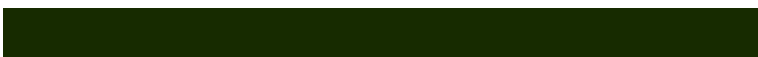
39.3625, 56.2416, 31.7036



12.8855, 14.2172, 13.2258



18.8185, 31.2776, 5.0453



1.2303, 1.9356, 0.3088

Inverse Universe

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



38.2948, 31.1717, 68.9676



49.7355, 37.5304, 99.2305



48.5887, 36.4785, 69.4493



12.2911, 12.2914, 15.6622



10.6581, 4.6470, 38.7884



0.7379, 0.3293, 2.3440

Previews

White Background



This preview shows how the XYZ color 47.2891, 60.3260, 32.0733 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 47.2891, 60.3260, 32.0733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

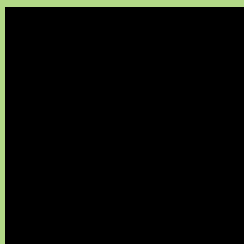
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2891, 60.3260, 32.0733

Background



This preview shows how black text looks on a background with the XYZ color 47.2891, 60.3260, 32.0733.



This preview shows how white text looks on a background with the XYZ color 47.2891, 60.3260,

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

47.2891, 60.3260, 32.0733

Protanopia

55.2040, 59.6957, 29.7320

Deuteranopia

61.2109, 59.9783, 33.1618



Tritanopia

56.2513, 59.8837, 77.7012

Trichromacy



Original Color

47.2891, 60.3260, 32.0733

Protanomaly

51.8976, 59.7568, 30.6287

Deuteranomaly

55.1568, 59.6069, 32.6430

Tritanomaly

52.3444, 59.7577, 57.4907

Monochromacy



Original Color

47.2891, 60.3260, 32.0733

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.8850, 56.5478, 47.8208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2891, 60.3260, 32.0733 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(178, 216, 135)` looks like.

```
.text, #text, p{  
    color:rgb(178, 216, 135)  
}
```

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(178, 216, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 135) }
```

Border

The CSS property to change the border of an element to XYZ 47.2891, 60.3260, 32.0733 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(178, 216, 135) }
```


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

```
.border{ border-color:rgb(178, 216, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 216, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 135);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2891, 60.3260, 32.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 135) }
```

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

```
.background{ background-color: rgb(178,  
216, 135) }
```

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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