

Converting Colors

XYZ(33.0056, 46.1196, 20.3268)

Have a look what the booklet for
XYZ(33.0056, 46.1196, 20.3268)
contains.

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Color

**XYZ(32.8861, 45.9683,
20.2362)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC468
RGB	139, 196, 104
RGB Percent	55%, 77%, 41%
CMY	0.4549, 0.2314, 0.5921
CMYK	0.29, 0.00, 0.47, 0.23
HSL	97°, 44%, 59%
HSV	97°, 47%, 77%
XYZ	32.8861, 45.9683, 20.2362
YIQ	168.4690, -4.4400, -40.6960

Conversions

Conversions Part 2

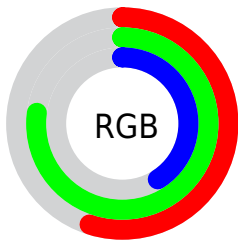
Format	Color
RYB	104, 196, 161
Decimal	9159784
CIELab	73.52, -34.87, 40.22
CIELCh	74, 53.228, 130.923
Yxy	45.9683, 0.3319, 0.4639
Android (android.graphics.Color)	4287349864 (0xFF8BC468)
YUV	168.4690, -31.7832, -25.8443
Hunter-Lab	67.7999, -32.0691, 29.7637

Details

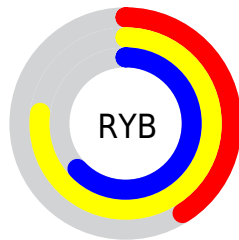
The XYZ color **32.8861, 45.9683, 20.2362** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **29.6141, 21.4646, 54.8093**, and the grayscale version is **37.6043, 39.5627, 43.0837**.

A 20% lighter version of the original color is **63.7168, 84.2870, 44.8091**, and **14.1766, 21.5908, 6.9103** is the 20% darker color. If you saturate the color by 10%, you get **30.0879, 44.6292, 15.4988**, and if you desaturate by 10%, it is **36.1433, 47.5201, 26.2048**.

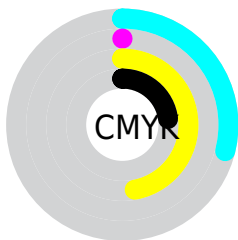
Distribution



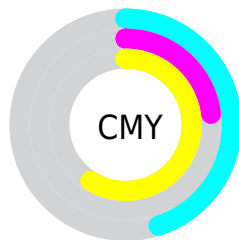
- Red (55%)
- Green (77%)
- Blue (41%)



- Red (41%)
- Yellow (77%)
- Blue (63%)



- Cyan (29%)
- Magenta (0%)
- Yellow (47%)
- Black (23%)





- Cyan (45%)
- Magenta (23%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8861, 45.9683, 20.2362 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 32.8861, 45.9683, 20.2362 by changing the saturation by 10% instead.


 32.8861, 45.9683,
20.2362


 32.8861, 45.9683,
20.2362


306.8103,
370.6812, 265.8374

 22.1980, 32.2208,
12.3811


 63.5535, 84.1716,
44.6770


 14.1199, 21.5302,
6.8781

 84.2636, 109.3961,
62.0998

 8.2864, 13.5121,
3.3087


 109.0450,
139.2151, 83.5488

 4.3321, 7.7821,
1.2543

 138.2632,
174.0130, 109.4427

 1.8917, 3.9559,
0.0239

172.2834,
214.1742, 140.1999

 0.5720, 1.6489,
0.0000

211.4711,

 0.0000, 0.3902,

260.0830, 176.2391

0.0000

256.1916,
312.1239, 217.9787

■ 0.0000, 0.0000,
0.0000

■ 32.8861, 45.9683,
20.2362

■ 32.8861, 45.9683,
20.2362

■ 30.0879, 44.6292,
15.4988

■ 36.1433, 47.5201,
26.2048

■ 27.7217, 43.4864,
11.9036

■ 39.8778, 49.2882,
33.4793

■ 25.7624, 42.5308,
9.3544


■ 44.1108, 51.2833,
42.1320

■ 24.1806, 41.7495,
7.7381


■ 48.8614, 53.5137,
52.2292

■ 22.9385, 41.1264,
6.9015


■ 54.1474, 55.9874,
63.8328

 22.6083, 40.9600,
6.7145

 59.9857, 58.7117,
77.0010

 66.3926, 61.6939,
91.7890

 72.4345, 64.5612,
103.2516

 76.6085, 66.7130,
103.4469

Harmonies

Analogous

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



40.3542, 45.9683, 14.4818



32.8861, 45.9683, 20.2362



28.7351, 45.9683, 34.9639

Triad

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



32.8861, 45.9683, 20.2362



38.0447, 45.9683, 116.6689



63.9568, 45.9683, 40.8669

Complementary

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



32.8861, 45.9683, 20.2362



29.6141, 21.4646, 54.8093

Split Complementary

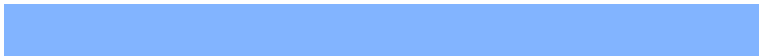
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.1029, 45.9683, 68.9542



32.8861, 45.9683, 20.2362



47.2079, 45.9683, 120.0510

Square

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



32.8861, 45.9683, 20.2362



31.4048, 45.9683, 92.2085



56.6371, 45.9683, 100.2555



58.8258, 45.9683, 23.2183

Rectangle

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



32.8861, 45.9683, 20.2362



27.9924, 45.9683, 50.8906



56.6371, 45.9683, 100.2555



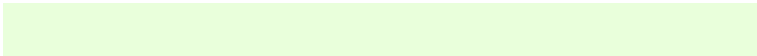
64.3770, 45.9683, 49.2220

Sweetspot

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



32.8872, 45.9703, 20.2372



82.1510, 93.9538, 81.0302



37.9638, 38.1337, 18.4570



17.1951, 19.9273, 16.5281



0.0000, 0.0000, 0.0000



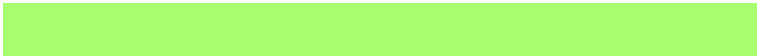
20.3446, 21.4041, 23.3091

Same Dimension

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



32.8872, 45.9703, 20.2372



54.5313, 80.8578, 28.1207



28.5294, 43.6567, 23.0631



10.2985, 11.4413, 10.7275



14.6152, 26.3632, 4.3183



0.7083, 1.1787, 0.1902

Inverse Universe

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



29.6141, 21.4646, 54.8093



47.8672, 31.2255, 98.1120



36.5022, 25.1517, 48.9798



10.1141, 10.0500, 12.6916



11.6068, 5.2439, 33.9571



0.5762, 0.2651, 1.4707

Previews

White Background



This preview shows how the XYZ color 32.8861, 45.9683, 20.2362 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 32.8861, 45.9683, 20.2362 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 32.8861, 45.9683, 20.2362

Background



This preview shows how black text looks on a background with the XYZ color 32.8861, 45.9683, 20.2362.



This preview shows how white text looks on a background with the XYZ color 32.8861, 45.9683,

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

32.8861, 45.9683, 20.2362

Protanopia

41.8146, 45.5301, 18.1396

Deuteranopia

46.4804, 45.5363, 21.0914



Tritanopia

41.1007, 45.7381, 61.3057

Trichromacy



Original Color

32.8861, 45.9683, 20.2362

Protanomaly

37.9906, 45.3850, 18.8145

Deuteranomaly

40.2169, 44.9493, 20.7438

Tritanomaly

37.3836, 45.5014, 42.4096

Monochromacy



Original Color

32.8861, 45.9683, 20.2362

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

34.9359, 41.0532, 32.8708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8861, 45.9683, 20.2362 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(139, 196, 104)` looks like.

```
.text, #text, p{  
    color:rgb(139, 196, 104)  
}
```

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(139, 196, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 196, 104) }
```

Border

The CSS property to change the border of an element to XYZ 32.8861, 45.9683, 20.2362 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(139, 196, 104) }
```


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

```
.border{ border-color:rgb(139, 196, 104) }
```

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

Here you see how a box with a 4 pixel rgb(139, 196, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 196, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 196, 104);  
box-shadow:4px 4px 4px 4px rgb(139, 196,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8861, 45.9683, 20.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 196, 104) }
```

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

```
.background{ background-color: rgb(139,  
196, 104) }
```

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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