

Converting Colors

XYZ(35.6430, 45.1168, 31.1460)

Have a look what the booklet for
XYZ(35.6430, 45.1168, 31.1460)
contains.

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Color

**XYZ(35.6513, 45.1750,
31.2667)**

Conversions

Conversions Part 1

Format	Color
Hex	96BE8B
RGB	150, 190, 139
RGB Percent	59%, 75%, 55%
CMY	0.4118, 0.2549, 0.4549
CMYK	0.21, 0.00, 0.27, 0.25
HSL	107°, 28%, 65%
HSV	107°, 27%, 75%
XYZ	35.6513, 45.1750, 31.2667
YIQ	172.2260, -7.4690, -24.3410

Conversions

Conversions Part 2

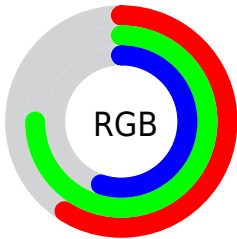
Format	Color
RYB	139, 190, 179
Decimal	9879179
CIELab	73.01, -23.06, 21.51
CIELCh	73, 31.535, 136.988
Yxy	45.1750, 0.3181, 0.4030
Android (android.graphics.Color)	4288069259 (0xFF96BE8B)
YUV	172.2260, -16.3804, -19.4922
Hunter-Lab	67.2124, -22.9402, 19.4674

Details

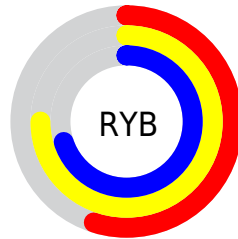
The XYZ color **35.6513, 45.1750, 31.2667** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.1192, 31.7680, 52.8930**, and the grayscale version is **39.4112, 41.4637, 45.1539**.

A 20% lighter version of the original color is **67.7582, 82.7409, 62.8514**, and **15.6443, 20.9263, 12.6658** is the 20% darker color. If you saturate the color by 10%, you get **31.8120, 43.3438, 24.4592**, and if you desaturate by 10%, it is **40.0831, 47.2864, 39.3633**.

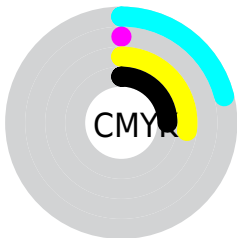
Distribution



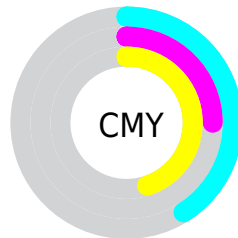
- Red (59%)
- Green (75%)
- Blue (55%)



- Red (55%)
- Yellow (75%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)



- Cyan (41%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6513, 45.1750, 31.2667 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 35.6513, 45.1750, 31.2667 by changing the saturation by 10% instead.

■ 35.6513, 45.1750,
31.2667

■ 35.6513, 45.1750,
31.2667

318.8918,
367.4819, 322.1543

■ 24.3339, 31.5953,
20.5419

■ 67.8209, 82.9830,
62.7442

■ 15.7075, 21.0526,
12.6016

■ 89.4038, 107.9800,
84.3340

■ 9.4070, 13.1624,
7.0273

■ 115.1392,
137.5516, 110.3824

■ 5.0668, 7.5405,
3.4005

145.3925,
172.0821, 141.3081

■ 2.3217, 3.8024,
1.3026

180.5291,
211.9561, 177.5296

■ 0.8057, 1.5636,
0.0639

220.9142,

■ 0.0000, 0.3329,

257.5577, 219.4655

0.0000

266.9133,
309.2715, 267.5342

■ 0.0000, 0.0000,
0.0000

■ 35.6513, 45.1750,
31.2667

■ 35.6513, 45.1750,
31.2667

■ 31.8120, 43.3438,
24.4592

■ 40.0831, 47.2864,
39.3633

■ 28.5361, 41.7753,
18.8716

■ 45.1278, 49.6832,
48.8076

■ 25.7974, 40.4589,
14.4324

■ 50.8091, 52.3778,
59.6583

■ 23.5660, 39.3808,
11.0618

■ 57.1486, 55.3800,
71.9696

■ 21.8088, 38.5261,
8.6697

■ 64.1665, 58.6992,
85.7929

■ 20.4887, 37.8778,
7.1509

■ 71.8825, 62.3444,
101.1771

■ 19.5596, 37.4153,
6.3632

■ 77.4549, 65.1801,
103.1064

■ 19.3278, 37.2996,
6.1809

■ 77.7044, 65.3087,
103.1181

Harmonies

Analogous

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



39.9176, 45.1750, 25.5134



35.6513, 45.1750, 31.2667



33.4253, 45.1750, 42.6714

Triad

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



35.6513, 45.1750, 31.2667



40.5974, 45.1750, 85.0433



53.8805, 45.1750, 40.8494

Complementary

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



35.6513, 45.1750, 31.2667



37.1192, 31.7680, 52.8930

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.



54.1021, 45.1750, 56.3362



35.6513, 45.1750, 31.2667



46.1059, 45.1750, 84.2613

Square

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



35.6513, 45.1750, 31.2667



36.1122, 45.1750, 74.8596



51.1543, 45.1750, 72.9084



50.5728, 45.1750, 30.1797

Rectangle

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



35.6513, 45.1750, 31.2667



33.2621, 45.1750, 52.9702



51.1543, 45.1750, 72.9084



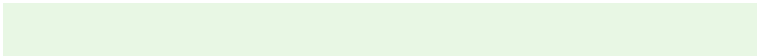
54.3278, 45.1750, 45.5901

Sweetspot

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



35.6525, 45.1769, 31.2677



80.5341, 89.4402, 86.0995



42.0074, 45.0334, 30.9050



17.3672, 19.4896, 18.3089



92.9021, 97.7402, 106.4391



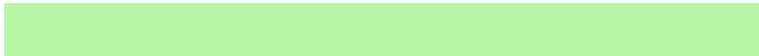
19.4759, 20.4902, 22.3138

Same Dimension

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



35.6525, 45.1769, 31.2677



60.5264, 79.9179, 49.3782



34.8493, 44.6327, 37.1115



9.5960, 10.7461, 10.1451



12.9067, 24.8295, 4.1123



0.5622, 1.0018, 0.1637

Inverse Universe

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



37.1192, 31.7680, 52.8930



63.6050, 51.6849, 94.9030



38.2615, 32.5304, 45.1054



9.7231, 9.5897, 12.0107



14.4931, 6.7575, 32.9334



0.6188, 0.2910, 1.2924

Previews

White Background



This preview shows how the XYZ color 35.6513, 45.1750, 31.2667 looks on a white background.

Color Contrast Check

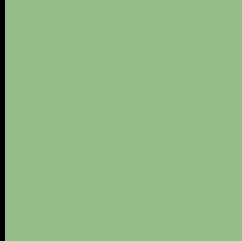
Large Text (above 18pt) WCAG AA × Fail

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 35.6513, 45.1750, 31.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

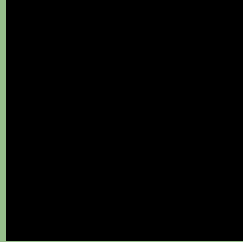
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6513, 45.1750, 31.2667

Background



This preview shows how black text looks on a background with the XYZ color 35.6513, 45.1750, 31.2667.



This preview shows how white text looks on a background with the XYZ color 35.6513, 45.1750,

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

35.6513, 45.1750, 31.2667

Protanopia

41.7093, 44.6384, 28.9720

Deuteranopia

45.7229, 44.8981, 32.2429



Tritanopia

41.3032, 44.9607, 59.3247

Trichromacy



Original Color

35.6513, 45.1750, 31.2667

Protanomaly

39.0764, 44.4636, 29.8153

Deuteranomaly

41.4961, 44.7580, 32.0433

Tritanomaly

38.8957, 44.9004, 47.6909

Monochromacy



Original Color

35.6513, 45.1750, 31.2667

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.7751, 42.6708, 39.5030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6513, 45.1750, 31.2667 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(150, 190, 139)` looks like.

```
.text, #text, p{  
    color:rgb(150, 190, 139)  
}
```

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(150, 190, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 190, 139) }
```

Border

The CSS property to change the border of an element to XYZ 35.6513, 45.1750, 31.2667 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(150, 190, 139) }
```


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

```
.border{ border-color:rgb(150, 190, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 190, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 190, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 190, 139); box-shadow:4px 4px 4px 4px rgb(150, 190, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6513, 45.1750, 31.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 190, 139) }
```

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

```
.background{ background-color: rgb(150,  
190, 139) }
```

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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