

Converting Colors

XYZ(45.1661, 56.6814, 44.5115)

Have a look what the booklet for
XYZ(45.1661, 56.6814, 44.5115)
contains.

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Color

**XYZ(45.2394, 56.7389,
44.6437)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D2A6
RGB	164, 210, 166
RGB Percent	64%, 82%, 65%
CMY	0.3569, 0.1765, 0.3490
CMYK	0.22, 0.00, 0.21, 0.18
HSL	123°, 34%, 73%
HSV	123°, 22%, 82%
XYZ	45.2394, 56.7389, 44.6437
YIQ	191.2300, -13.2920, -23.4360

Conversions

Conversions Part 2

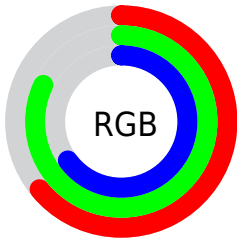
Format	Color
RYB	164, 208, 210
Decimal	10801830
CIELab	80.03, -23.55, 16.99
CIELCh	80, 29.037, 144.183
Yxy	56.7389, 0.3085, 0.3870
Android (android.graphics.Color)	4288991910 (0xFFA4D2A6)
YUV	191.2300, -12.4384, -23.8807
Hunter-Lab	75.3252, -24.6143, 17.5877

Details

The XYZ color **45.2394, 56.7389, 44.6437** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.2410, 44.8079, 65.6252**, and the grayscale version is **49.7315, 52.3214, 56.9780**.

A 20% lighter version of the original color is **78.3263, 91.9561, 82.0277**, and **21.3142, 28.0371, 20.2079** is the 20% darker color. If you saturate the color by 10%, you get **39.5572, 54.0078, 35.4989**, and if you desaturate by 10%, it is **51.9281, 59.9589, 55.3403**.

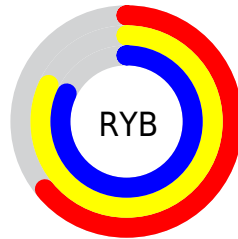
Distribution



Red (64%)

Green (82%)

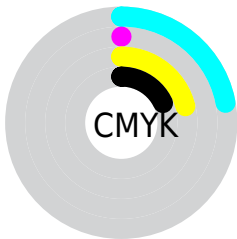
Blue (65%)



Red (64%)

Yellow (82%)

Blue (82%)

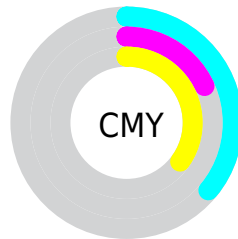


Cyan (22%)

Magenta (0%)

Yellow (21%)

Black (18%)



Cyan (36%)


Magenta (18%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2394, 56.7389, 44.6437 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 45.2394, 56.7389, 44.6437 by changing the saturation by 10% instead.

 45.2394, 56.7389,
44.6437


 45.2394, 56.7389,
44.6437


358.5097,
412.4702, 381.4466

 31.8481, 40.7956,
30.8360


 82.3144, 100.0841,
83.4983

 21.4005, 28.1594,
20.2166


 106.7288,
128.2549, 109.3822

 13.5312, 18.4459,
12.3669


135.5483,
161.2702, 140.1286

 7.8748, 11.2706,
6.8685

169.1383,
199.5146, 176.1560

 4.0661, 6.2491,
3.3028

207.8640,
243.3724, 217.8829

 1.7396, 2.9972,
1.2513

252.0910,

 0.4809, 1.1302,

293.2280, 265.7280

0.0213

302.1844,
349.4658, 320.1097

■ 0.0000, 0.0036,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2394, 56.7389,
44.6437

■ 45.2394, 56.7389,
44.6437

■ 39.5572, 54.0078,
35.4989

■ 51.9281, 59.9589,
55.3403

■ 34.8286, 51.7349,
27.8305

■ 59.6639, 63.6823,
67.6521

■ 31.0025, 49.8973,
21.5620

■ 68.4908, 67.9322,
81.6436

■ 28.0217, 48.4672,
16.6091

■ 78.4487, 72.7278,
97.3745

■ 25.8219, 47.4134,
12.8781

■ 82.3377, 74.5754,
104.6626

■ 24.3299, 46.7006,
10.2630

■ 23.4586, 46.2865,
8.6398

■ 23.0977, 46.1154,
7.9460

Harmonies

Analogous

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



49.4118, 56.7389, 36.6192



45.2394, 56.7389, 44.6437



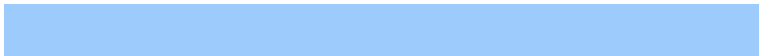
43.4077, 56.7389, 58.5430

Triad

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



45.2394, 56.7389, 44.6437



52.7865, 56.7389, 100.0838



64.9583, 56.7389, 49.3979

Complementary

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



45.2394, 56.7389, 44.6437



51.2410, 44.8079, 65.6252

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.



66.0254, 56.7389, 65.1322



45.2394, 56.7389, 44.6437



58.7126, 56.7389, 96.4258

Square

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



45.2394, 56.7389, 44.6437



47.5561, 56.7389, 92.0607



63.6648, 56.7389, 82.8184



60.8464, 56.7389, 38.9933

Rectangle

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



45.2394, 56.7389, 44.6437



43.6569, 56.7389, 70.0898



63.6648, 56.7389, 82.8184



65.6970, 56.7389, 54.1526

Sweetspot

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



45.2409, 56.7413, 44.6450



86.1569, 95.7191, 94.7668



55.8937, 62.2541, 44.1929



18.2854, 20.4129, 20.0361



0.0000, 0.0000, 0.0000



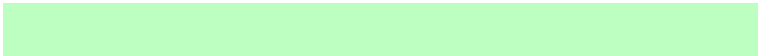
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2409, 56.7413, 44.6450



66.1402, 86.0878, 62.7580



47.4929, 57.6421, 56.5036



11.6768, 13.2145, 12.6547



14.0982, 28.1322, 4.8972



0.7958, 1.5760, 0.3132

Inverse Universe

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



51.2410, 44.8079, 65.6252



76.9624, 64.5619, 100.5980



48.6619, 43.7763, 52.0441



12.2877, 11.9998, 14.7907



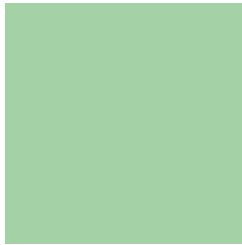
22.6438, 10.9304, 34.6259



1.2731, 0.6140, 1.9731

Previews

White Background



This preview shows how the XYZ color 45.2394, 56.7389, 44.6437 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 45.2394, 56.7389, 44.6437 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 45.2394, 56.7389, 44.6437

Background



This preview shows how black text looks on a background with the XYZ color 45.2394, 56.7389, 44.6437.

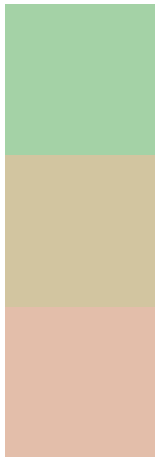


This preview shows how white text looks on a background with the XYZ color 45.2394, 56.7389, 44.6437.

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

45.2394, 56.7389, 44.6437

Protanopia

52.8898, 56.1722, 41.3124

Deuteranopia

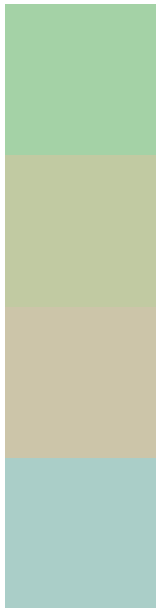
57.3477, 56.0601, 45.8283



Tritanopia

51.3757, 56.7106, 75.2563

Trichromacy



Original Color

45.2394, 56.7389, 44.6437

Protanomaly

49.6344, 56.1872, 42.4116

Deuteranomaly

52.0295, 55.6344, 45.5324

Tritanomaly

49.0742, 56.8588, 63.0319

Monochromacy



Original Color

45.2394, 56.7389, 44.6437

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.6936, 53.5893, 52.0860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2394, 56.7389, 44.6437 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(164, 210, 166)` looks like.

```
.text, #text, p{  
    color:rgb(164, 210, 166)  
}
```

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(164, 210, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 210, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.2394, 56.7389, 44.6437 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(164, 210, 166) }
```


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

```
.border{ border-color:rgb(164, 210, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 210, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 210, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 210, 166);  
box-shadow:4px 4px 4px 4px rgb(164, 210,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2394, 56.7389, 44.6437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 210, 166) }
```

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

```
.background{ background-color: rgb(164,  
210, 166) }
```

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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