

Converting Colors

XYZ(50.3437, 66.0070, 45.4653)

Have a look what the booklet for
XYZ(50.3437, 66.0070, 45.4653)
contains.

XYZ(50.4091, 65.9796, 45.6758)	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(50.4091, 65.9796,
45.6758)**

Conversions

Conversions Part 1

Format	Color
Hex	A8E3A5
RGB	168, 227, 165
RGB Percent	66%, 89%, 65%
CMY	0.3412, 0.1098, 0.3529
CMYK	0.26, 0.00, 0.27, 0.11
HSL	117°, 53%, 77%
HSV	117°, 27%, 89%
XYZ	50.4091, 65.9796, 45.6758
YIQ	202.2910, -15.2620, -31.7900

Conversions

Conversions Part 2

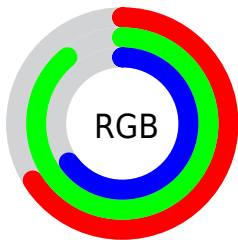
Format	Color
RYB	165, 227, 224
Decimal	11068325
CIELab	84.99, -30.56, 24.40
CIELCh	85, 39.103, 141.399
Yxy	65.9796, 0.3110, 0.4071
Android (android.graphics.Color)	4289258405 (0xFFA8E3A5)
YUV	202.2910, -18.3845, -30.0732
Hunter-Lab	81.2278, -31.3736, 23.5197

Details

The XYZ color **50.4091, 65.9796, 45.6758** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.0634, 48.3055, 78.9401**, and the grayscale version is **56.4403, 59.3796, 64.6644**.

A 20% lighter version of the original color is **79.4187, 92.5346, 81.3853**, and **24.4830, 33.8955, 20.8749** is the 20% darker color. If you saturate the color by 10%, you get **44.3006, 63.0504, 35.5451**, and if you desaturate by 10%, it is **57.6518, 69.4549, 57.7766**.

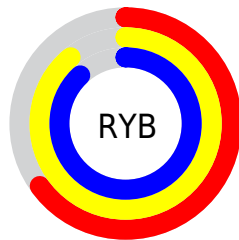
Distribution



Red (66%)

Green (89%)

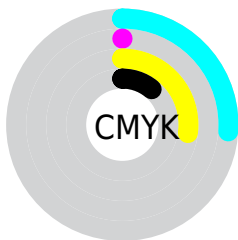
Blue (65%)



Red (65%)

Yellow (89%)

Blue (88%)

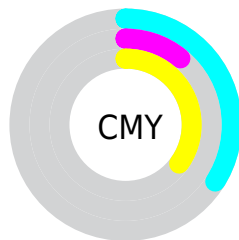


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (11%)



Cyan (34%)


Magenta (11%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4091, 65.9796, 45.6758 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 50.4091, 65.9796, 45.6758 by changing the saturation by 10% instead.

 50.4091, 65.9796,
45.6758


 50.4091, 65.9796,
45.6758


378.6892,
446.3039, 385.7434

 35.9577, 48.2558,
31.6432


 89.9689, 113.4571,
85.0628

 24.5715, 34.0295,
20.8266

 115.8080,
143.9795, 111.2543

 15.8851, 22.9163,
12.8073


146.1738,
179.5371, 142.3358

 9.5332, 14.5317,
7.1668

181.4315,
220.5140, 178.7260

 5.1505, 8.4914,
3.4866

221.9466,
267.2948, 220.8432

 2.3715, 4.4110,
1.3482

268.0843,

 0.8309, 1.9060,

320.2637, 269.1062

0.1008

320.2101,
379.8053, 323.9334

0.0000, 0.5520,
0.0000

0.0000, 0.0000,
0.0000

50.4091, 65.9796,
45.6758

50.4091, 65.9796,
45.6758

44.3006, 63.0504,
35.5451

57.6518, 69.4549,
57.7766

39.2641, 60.6318,
27.2763

66.0766, 73.4933,
71.9394

35.2392, 58.6970,
20.7574

75.7349, 78.1213,
88.2556

32.1574, 57.2134,
15.8624

86.5440, 83.3092,
106.1267

■ 29.9418, 56.1445,
12.4489

■ 86.7604, 83.4207,
106.1368

■ 28.5033, 55.4479,
10.3497

■ 27.7311, 55.0713,
9.3434

■ 27.6081, 55.0118,
9.1632

Harmonies

Analogous

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



56.7452, 65.9796, 35.5410



50.4091, 65.9796, 45.6758



47.4412, 65.9796, 64.8419

Triad

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



50.4091, 65.9796, 45.6758



60.2177, 65.9796, 131.1130



79.8003, 65.9796, 55.5882

Complementary

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



50.4091, 65.9796, 45.6758



58.0634, 48.3055, 78.9401

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.



80.9507, 65.9796, 79.3256



50.4091, 65.9796, 45.6758



69.0823, 65.9796, 126.9870

Square

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



50.4091, 65.9796, 45.6758



52.7471, 65.9796, 116.6952



76.8687, 65.9796, 106.4680



73.8581, 65.9796, 40.2643

Rectangle

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



50.4091, 65.9796, 45.6758



47.5602, 65.9796, 81.8374



76.8687, 65.9796, 106.4680



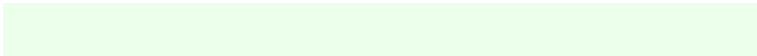
80.7809, 65.9796, 62.6929

Sweetspot

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



50.4108, 65.9824, 45.6773



85.1527, 95.2573, 92.1931



65.1018, 72.3084, 46.1240



17.8528, 20.2100, 19.1043



0.0000, 0.0000, 0.0000



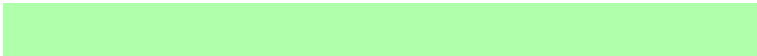
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4108, 65.9824, 45.6773



60.7578, 83.5593, 51.3794



52.6027, 66.7862, 60.5141



14.2535, 16.1222, 15.2651



16.1281, 32.0958, 5.3451



1.2147, 2.3836, 0.3961

Inverse Universe

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



58.0634, 48.3055, 78.9401



72.3428, 56.7853, 101.7555



55.4564, 47.3710, 60.3165



14.9226, 14.5778, 18.1716



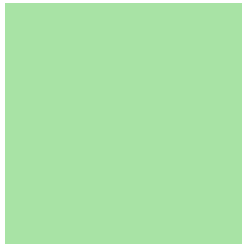
24.6347, 11.7655, 43.3558



1.8418, 0.8804, 3.2048

Previews

White Background



This preview shows how the XYZ color 50.4091, 65.9796, 45.6758 looks on a white background.

Color Contrast Check

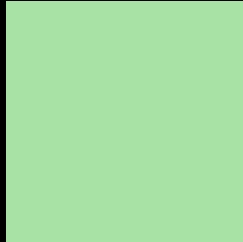
Large Text (above 18pt) WCAG AA × Fail

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 50.4091, 65.9796, 45.6758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

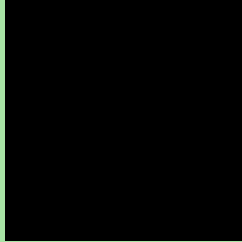
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4091, 65.9796, 45.6758

Background



This preview shows how black text looks on a background with the XYZ color 50.4091, 65.9796, 45.6758.



This preview shows how white text looks on a background with the XYZ color 50.4091, 65.9796,

45.6758.

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

50.4091, 65.9796, 45.6758

Protanopia

61.1444, 65.3880, 41.7463

Deuteranopia

66.6177, 65.2070, 47.1053



Tritanopia

58.8892, 65.8443, 88.2027

Trichromacy



Original Color

50.4091, 65.9796, 45.6758

Protanomaly

56.6995, 65.3207, 43.3380

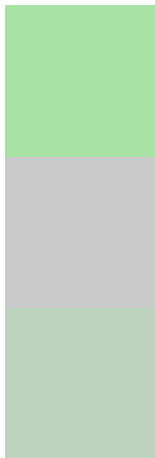
Deuteranomaly

59.5248, 64.8195, 46.4199

Tritanomaly

55.3938, 65.5962, 70.7145

Monochromacy



Original Color

50.4091, 65.9796, 45.6758

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.7148, 61.2098, 57.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4091, 65.9796, 45.6758 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(168, 227, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 227, 165)  
}
```

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(168, 227, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 227, 165) }
```

Border

The CSS property to change the border of an element to XYZ 50.4091, 65.9796, 45.6758 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(168, 227, 165) }
```


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

```
.border{ border-color:rgb(168, 227, 165) }
```

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

Here you see how a box with a 4 pixel rgb(168, 227, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 227, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 227, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 227,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4091, 65.9796, 45.6758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 227, 165) }
```

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

```
.background{ background-color: rgb(168,  
227, 165) }
```

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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