

Converting Colors

XYZ(30.5780, 45.2752, 43.9749)

Have a look what the booklet for
XYZ(30.5780, 45.2752, 43.9749)
contains.

XYZ(30.6332, 45.2937, 44.1738)	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(30.6332, 45.2937,
44.1738)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC7A8
RGB	78, 199, 168
RGB Percent	31%, 78%, 66%
CMY	0.6941, 0.2196, 0.3412
CMYK	0.61, 0.00, 0.16, 0.22
HSL	165°, 52%, 54%
HSV	165°, 61%, 78%
XYZ	30.6332, 45.2937, 44.1738
YIQ	159.2870, -62.1650, -35.2930

Conversions

Conversions Part 2

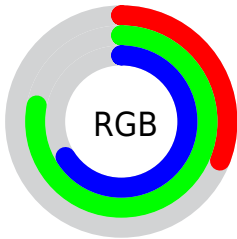
Format	Color
RYB	78, 147, 199
Decimal	5162920
CIELab	73.08, -41.18, 5.54
CIElCh	73, 41.546, 172.342
Yxy	45.2937, 0.2551, 0.3771
Android (android.graphics.Color)	4283353000 (0xFF4EC7A8)
YUV	159.2870, 4.2955, -71.2887
Hunter-Lab	67.3006, -36.5282, 8.1945

Details

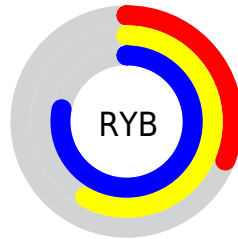
The XYZ color **30.6332, 45.2937, 44.1738** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.0394, 18.6962, 16.5479**, and the grayscale version is **33.0885, 34.8117, 37.9099**.

A 20% lighter version of the original color is **59.5605, 82.2510, 82.5489**, and **13.1256, 21.2075, 19.9247** is the 20% darker color. If you saturate the color by 10%, you get **28.7773, 44.3919, 41.6565**, and if you desaturate by 10%, it is **33.0035, 46.4608, 46.8145**.

Distribution



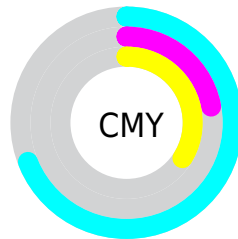
- Red (31%)
- Green (78%)
- Blue (66%)



- Red (31%)
- Yellow (58%)
- Blue (78%)



- Cyan (61%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (69%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6332, 45.2937, 44.1738 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 30.6332, 45.2937, 44.1738 by changing the saturation by 10% instead.


 30.6332, 45.2937,
44.1738


 30.6332, 45.2937,
44.1738


296.7020,
367.9618, 379.4791


 20.4702, 31.6888,
30.4690


 60.0419, 83.1610,
82.7845


 12.8475, 21.1239,
19.9398


 80.0183, 108.1921,
108.5274

 7.3999, 13.2146,
12.1676


 103.9964,
137.8009, 139.1201

 3.7620, 7.5765,
6.7340

 132.3418,
172.3716, 174.9811

 1.5684, 3.8252,
3.2204

165.4197,
212.2886, 216.5290

 0.3717, 1.5763,
1.2082

203.5954,

 0.0000, 0.3415,

257.9364, 264.1822

0.0000

247.2344,
309.6993, 318.3594

■ 0.0000, 0.0000,
0.0000

■ 30.6332, 45.2937,
44.1738

■ 30.6332, 45.2937,
44.1738

■ 28.7773, 44.3919,
41.6565

■ 33.0035, 46.4608,
46.8145

■ 27.3857, 43.7262,
39.2560

■ 35.9249, 47.9087,
49.5782

■ 26.4048, 43.2701,
36.9698

■ 39.4350, 49.6579,
52.4690

■ 25.7707, 42.9870,
34.9625

■ 43.5672, 51.7255,
55.4892

■ 48.3522, 54.1274,
58.6415

■ 53.8185, 56.8783,
61.9282

■ 59.9930, 59.9921,
65.3515

■ 66.9013, 63.4817,
68.9136

■ 73.7878, 66.9578,
72.5801

Harmonies

Analogous

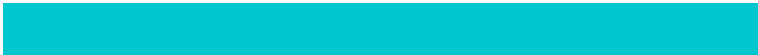
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9083, 45.2937, 28.6850



30.6332, 45.2937, 44.1738



31.3758, 45.2937, 66.1475

Triad

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



30.6332, 45.2937, 44.1738



48.5836, 45.2937, 96.3659



52.1644, 45.2937, 23.9350

Complementary

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



30.6332, 45.2937, 44.1738



29.0394, 18.6962, 16.5479

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.



57.3117, 45.2937, 35.6151



30.6332, 45.2937, 44.1738



55.0875, 45.2937, 78.0304

Square

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



30.6332, 45.2937, 44.1738



41.2148, 45.2937, 100.5628



58.4375, 45.2937, 54.8450



44.9395, 45.2937, 19.3370

Rectangle

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



30.6332, 45.2937, 44.1738



33.5257, 45.2937, 81.4816



58.4375, 45.2937, 54.8450



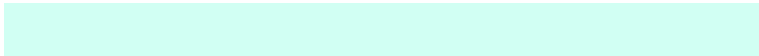
54.2269, 45.2937, 26.9746

Sweetspot

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



30.6345, 45.2955, 44.1749



78.2967, 91.5755, 98.5331



28.2637, 44.7309, 14.3528



16.2582, 19.3500, 20.7471



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.



30.6345, 45.2955, 44.1749



49.5035, 77.2997, 71.5388



27.9710, 34.7827, 59.2744



10.8261, 12.0193, 13.0347



16.6076, 27.6554, 22.6761



0.8145, 1.3207, 1.2220

Inverse Universe

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



29.0394, 18.6962, 16.5479



46.5431, 26.7715, 19.4039



30.1079, 23.0498, 10.0707



10.7435, 10.6808, 11.6327



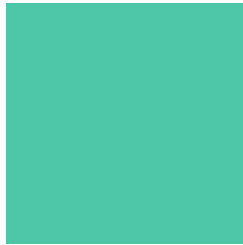
15.5598, 7.9735, 2.8920



0.7672, 0.3897, 0.2975

Previews

White Background



This preview shows how the XYZ color 30.6332, 45.2937, 44.1738 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 30.6332, 45.2937, 44.1738 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

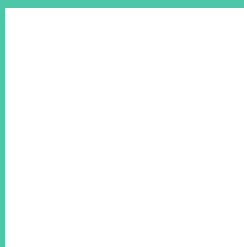
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6332, 45.2937, 44.1738

Background



This preview shows how black text looks on a background with the XYZ color 30.6332, 45.2937, 44.1738.



This preview shows how white text looks on a background with the XYZ color 30.6332, 45.2937,

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

30.6332, 45.2937, 44.1738

Protanopia

42.2559, 44.7142, 38.3019

Deuteranopia

45.4185, 44.4314, 46.2267



Tritanopia

35.0928, 45.0705, 67.1715

Trichromacy



Original Color

30.6332, 45.2937, 44.1738



Protanomaly

36.0245, 43.8941, 40.2919



Deuteranomaly

37.5008, 43.3045, 45.4118



Tritanomaly

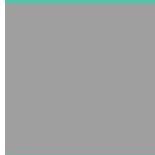
33.2772, 45.0000, 57.9709

Monochromacy



Original Color

30.6332, 45.2937, 44.1738



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.8636, 37.6266, 39.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6332, 45.2937, 44.1738 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(78, 199, 168)` looks like.

```
.text, #text, p{  
    color:rgb(78, 199, 168)  
}
```

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(78, 199, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 199, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.6332, 45.2937, 44.1738 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(78, 199, 168) }
```


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

```
.border{ border-color:rgb(78, 199, 168) }
```

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

Here you see how a box with a 4 pixel rgb(78, 199, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 199, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 199, 168);  
box-shadow:4px 4px 4px 4px rgb(78, 199,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6332, 45.2937, 44.1738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 199, 168) }
```

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

```
.background{ background-color: rgb(78, 199,  
168) }
```

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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