

Converting Colors

XYZ(41.5364, 65.6485, 62.9626)

Have a look what the booklet for
XYZ(41.5364, 65.6485, 62.9626)
contains.

XYZ(41.4932, 65.6268, 62.7049)	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(41.4932, 65.6268,
62.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	2AEEC4
RGB	42, 238, 196
RGB Percent	16%, 93%, 77%
CMY	0.8352, 0.0667, 0.2314
CMYK	0.82, 0.00, 0.18, 0.07
HSL	167°, 85%, 55%
HSV	167°, 82%, 93%
XYZ	41.4932, 65.6268, 62.7049
YIQ	174.6080, -103.3340, -54.6140

Conversions

Conversions Part 2

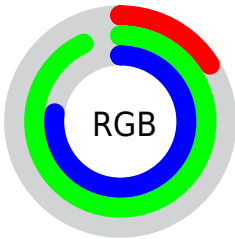
Format	Color
RYB	42, 152, 238
Decimal	2813636
CIELab	84.81, -55.21, 7.41
CIElCh	85, 55.702, 172.359
Yxy	65.6268, 0.2443, 0.3864
Android (android.graphics.Color)	4281003716 (0xFF2AEEC4)
YUV	174.6080, 10.5463, -116.2972
Hunter-Lab	81.0104, -50.3411, 10.8147

Details

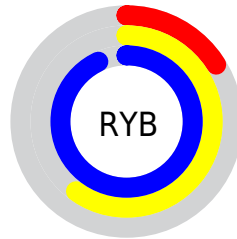
The XYZ color **41.4932, 65.6268, 62.7049** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **37.6904, 20.4750, 10.3562**, and the grayscale version is **40.5334, 42.6443, 46.4396**.

A 20% lighter version of the original color is **61.6580, 82.8228, 105.6652**, and **21.4064, 35.0007, 31.2188** is the 20% darker color. If you saturate the color by 10%, you get **40.2222, 65.0391, 59.6672**, and if you desaturate by 10%, it is **43.3645, 66.5249, 65.8766**.

Distribution



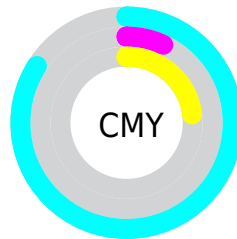
- Red (16%)
- Green (93%)
- Blue (77%)



- Red (16%)
- Yellow (60%)
- Blue (93%)



- Cyan (82%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)





- Cyan (84%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4932, 65.6268, 62.7049 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 41.4932, 65.6268, 62.7049 by changing the saturation by 10% instead.


 41.4932, 65.6268,
62.7049

 41.4932, 65.6268,
62.7049


343.4052,
445.0410, 452.5761


 28.8940, 47.9695,
45.1631


 76.7020, 112.9505,
110.3251


 19.1446, 33.8027,
31.2420


 100.0424,
143.3857, 141.2406


 11.8794, 22.7421,
20.5232


 127.6938,
178.8491, 177.4510

 6.7332, 14.4032,
12.5881

 160.0218,
219.7249, 219.3749

 3.3407, 8.4016,
7.0181

 197.3915,
266.3976, 267.4308

 1.3364, 4.3530,
3.3948

240.1684,

 0.2102, 1.8729,

319.2516, 322.0373

1.2996

288.7179,
378.6713, 383.6129

■ 0.0000, 0.5320,
0.0615

■ 0.0000, 0.0000,
0.0000

■ 41.4932, 65.6268,
62.7049

■ 41.4932, 65.6268,
62.7049

■ 40.2222, 65.0391,
59.6672


■ 43.3645, 66.5249,
65.8766


■ 39.5451, 64.7390,
57.4244


■ 45.9199, 67.7717,
69.1829

■ 49.2351, 69.4079,
72.6299


■ 53.3744, 71.4666,
76.2213

 58.3952, 73.9773,
79.9610

 64.3495, 76.9669,
83.8522

 71.2853, 80.4601,
87.8982

 79.2475, 84.4799,
92.1019

 87.8286, 88.8164,
96.4453

Harmonies

Analogous

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



45.2436, 65.6268, 37.1751



41.4932, 65.6268, 62.7049



42.7170, 65.6268, 100.9073

Triad

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



41.4932, 65.6268, 62.7049



71.9542, 65.6268, 155.6871



78.2037, 65.6268, 29.6922

Complementary

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



41.4932, 65.6268, 62.7049



37.6904, 20.4750, 10.3562

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.



87.2961, 65.6268, 48.3782



41.4932, 65.6268, 62.7049



83.3657, 65.6268, 122.1624

Square

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



41.4932, 65.6268, 62.7049



59.2406, 65.6268, 163.4687



89.3013, 65.6268, 80.9866



65.6208, 65.6268, 22.7026

Rectangle

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



41.4932, 65.6268, 62.7049



46.2760, 65.6268, 128.4618



89.3013, 65.6268, 80.9866



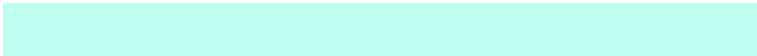
81.8350, 65.6268, 34.4425

Sweetspot

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



41.4950, 65.6293, 62.7064



73.2365, 88.9999, 96.8028



34.6929, 63.2254, 12.5670



15.1460, 18.7837, 20.3756



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.



41.4950, 65.6293, 62.7064



46.3226, 75.7487, 67.3754



33.2136, 40.3158, 86.9229



16.0938, 17.8676, 19.5171



22.1110, 36.1364, 32.2969



1.8751, 3.0205, 2.8747

Inverse Universe

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



37.6904, 20.4750, 10.3562



41.9975, 21.6073, 5.7826



40.0044, 26.9953, 5.2939



15.9114, 15.8143, 17.0897



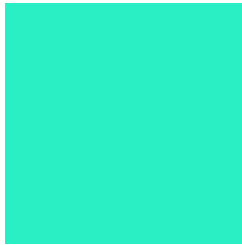
20.0434, 10.2898, 2.8794



1.7030, 0.8702, 0.4268

Previews

White Background



This preview shows how the XYZ color 41.4932, 65.6268, 62.7049 looks on a white background.

Color Contrast Check

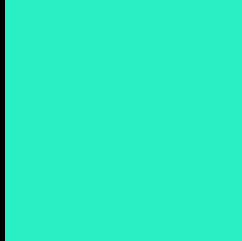
Large Text (above 18pt) WCAG AA × Fail

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 41.4932, 65.6268, 62.7049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

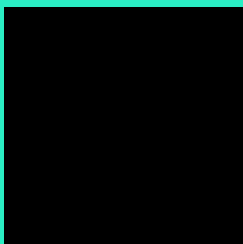
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

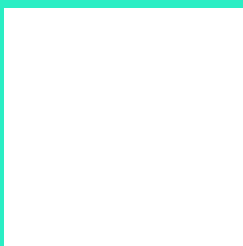
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4932, 65.6268, 62.7049

Background



This preview shows how black text looks on a background with the XYZ color 41.4932, 65.6268, 62.7049.

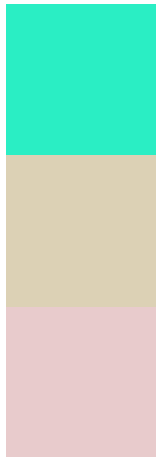


This preview shows how white text looks on a background with the XYZ color 41.4932, 65.6268,

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

41.4932, 65.6268, 62.7049

Protanopia

60.6562, 64.1528, 52.9019

Deuteranopia

65.5337, 64.2273, 66.0699



Tritanopia

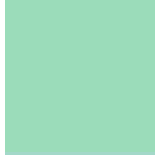
48.8992, 65.6536, 99.7177

Trichromacy



Original Color

41.4932, 65.6268, 62.7049



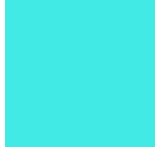
Protanomaly

47.9737, 61.7001, 55.8352



Deuteranomaly

50.2027, 61.1153, 64.4088



Tritanomaly

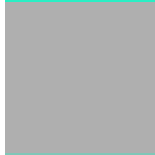
45.9525, 65.7171, 85.1256

Monochromacy



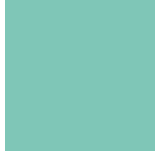
Original Color

41.4932, 65.6268, 62.7049



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

37.4937, 48.3191, 52.1501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4932, 65.6268, 62.7049 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(42, 238, 196)` looks like.

```
.text, #text, p{  
    color:rgb(42, 238, 196)  
}
```

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(42, 238, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 238, 196) }
```

Border

The CSS property to change the border of an element to XYZ 41.4932, 65.6268, 62.7049 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(42, 238, 196) }
```


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

```
.border{ border-color:rgb(42, 238, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 238, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 238, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 238, 196);  
box-shadow:4px 4px 4px 4px rgb(42, 238,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4932, 65.6268, 62.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 238, 196) }
```

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

```
.background{ background-color: rgb(42, 238,  
196) }
```

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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