

Converting Colors

XYZ(36.6632, 61.4049, 47.3830)

Have a look what the booklet for
XYZ(36.6632, 61.4049, 47.3830)
contains.

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Color

**XYZ(36.6312, 61.3130,
47.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	16E9A9
RGB	22, 233, 169
RGB Percent	9%, 91%, 66%
CMY	0.9137, 0.0863, 0.3372
CMYK	0.91, 0.00, 0.27, 0.09
HSL	162°, 83%, 50%
HSV	162°, 91%, 91%
XYZ	36.6312, 61.3130, 47.4400
YIQ	162.6150, -105.2120, -64.6360

Conversions

Conversions Part 2

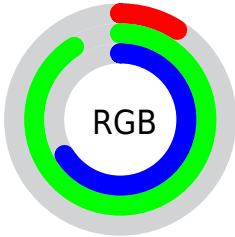
Format	Color
R_{YB}	22, 146, 233
Decimal	1501609
CIE Lab	82.55, -60.90, 18.29
CIE LCh	83, 63.591, 163.287
Yxy	61.3130, 0.2520, 0.4217
Android (android.graphics.Color)	4279691689 (0xFF16E9A9)
YUV	162.6150, 3.1478, -123.3194
Hunter-Lab	78.3026, -53.5245, 18.8907

Details

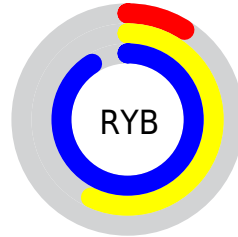
The XYZ color **36.6312, 61.3130, 47.4400** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.5731, 18.5709, 10.5173**, and the grayscale version is **34.6554, 36.4602, 39.7051**.

A 20% lighter version of the original color is **56.1540, 80.4792, 83.0954**, and **18.7362, 32.3350, 22.0834** is the 20% darker color. If you saturate the color by 10%, you get **35.6904, 60.9002, 44.2074**, and if you desaturate by 10%, it is **38.0795, 61.9825, 51.0675**.

Distribution



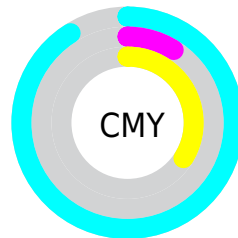
- Red (9%)
- Green (91%)
- Blue (66%)



- Red (9%)
- Yellow (57%)
- Blue (91%)



- Cyan (91%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (91%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6312, 61.3130, 47.4400 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 36.6312, 61.3130, 47.4400 by changing the saturation by 10% instead.


 36.6312, 61.3130,
47.4400


 36.6312, 61.3130,
47.4400


323.0944,
429.4207, 393.0126


 25.0944, 44.4778,
33.0268


 69.3227, 106.7320,
87.7269


 16.2765, 31.0463,
21.8757


 91.2082, 136.0846,
114.4376


 9.8121, 20.6341,
13.5681


 117.2740,
170.3785, 146.0847

 5.3359, 12.8568,
7.6856

 147.8853,
209.9980, 183.0865

 2.4824, 7.3300,
3.8096

 183.4077,
255.3276, 225.8616

 0.8864, 3.6693,
1.5215

224.2065,

 0.0000, 1.4904,

306.7517, 274.8287

0.2338

270.6469,
364.6546, 330.4062

■ 0.0000, 0.2819,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6312, 61.3130,
47.4400

■ 36.6312, 61.3130,
47.4400

■ 35.6904, 60.9002,
44.2074

■ 38.0795, 61.9825,
51.0675

■ 40.1287, 62.9559,
54.9118

■ 42.8621, 64.2777,
58.9811

■ 46.3483, 65.9834,
63.2814

■ 50.6472, 68.1036,
67.8180

■ 55.8126, 70.6661,
72.5962

■ 61.8936, 73.6960,
77.6207

■ 68.9355, 77.2167,
82.8964

■ 76.9804, 81.2500,
88.4275

Harmonies

Analogous

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



42.1096, 61.3130, 25.7109



36.6312, 61.3130, 47.4400



36.3348, 61.3130, 85.5110

Triad

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



36.6312, 61.3130, 47.4400



64.5008, 61.3130, 169.5094



79.4800, 61.3130, 27.4252

Complementary

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



36.6312, 61.3130, 47.4400



35.5731, 18.5709, 10.5173

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.



87.6402, 61.3130, 50.9715



36.6312, 61.3130, 47.4400



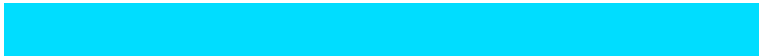
78.1269, 61.3130, 137.5388

Square

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



36.6312, 61.3130, 47.4400



51.0687, 61.3130, 167.3596



87.1096, 61.3130, 90.7192



66.1317, 61.3130, 17.6274

Rectangle

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



36.6312, 61.3130, 47.4400



39.0211, 61.3130, 116.9275



87.1096, 61.3130, 90.7192



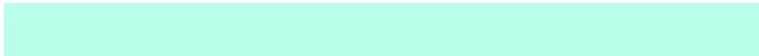
83.0074, 61.3130, 33.4921

Sweetspot

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



36.6328, 61.3154, 47.4414



70.9140, 87.9250, 91.1621



33.3883, 60.4534, 10.6688



14.6583, 18.5607, 19.0670



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.



36.6328, 61.3154, 47.4414



43.7605, 74.7202, 54.0502



34.4034, 44.7815, 83.9241



15.3118, 17.0395, 18.3246



20.3083, 34.5778, 25.3864



1.6371, 2.7321, 2.2166

Inverse Universe

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



35.5731, 18.5709, 10.5173



42.5920, 21.8008, 9.0497



35.4031, 20.6875, 2.8870



15.2536, 15.1293, 16.6205



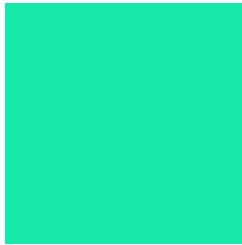
19.7555, 10.1049, 4.5136



1.5926, 0.8100, 0.5722

Previews

White Background



This preview shows how the XYZ color 36.6312, 61.3130, 47.4400 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 36.6312, 61.3130, 47.4400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

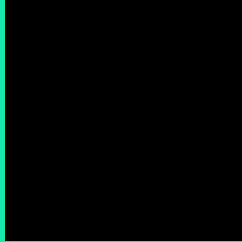
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

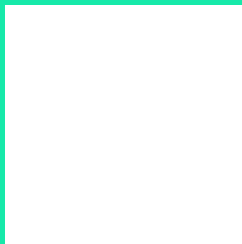
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6312, 61.3130, 47.4400

Background



This preview shows how black text looks on a background with the XYZ color 36.6312, 61.3130, 47.4400.



This preview shows how white text looks on a background with the XYZ color 36.6312, 61.3130,

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

36.6312, 61.3130, 47.4400

Protanopia

56.1858, 59.9839, 39.6271

Deuteranopia

61.2800, 59.9778, 49.9420



Tritanopia

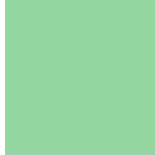
45.9071, 61.3844, 93.4332

Trichromacy



Original Color

36.6312, 61.3130, 47.4400



Protanomaly

42.4244, 56.8342, 41.9918



Deuteranomaly

44.1507, 55.7248, 48.4734



Tritanomaly

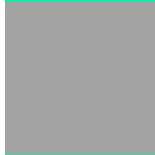
41.4797, 60.7440, 73.8285

Monochromacy



Original Color

36.6312, 61.3130, 47.4400



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.4568, 42.1278, 42.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6312, 61.3130, 47.4400 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(22, 233, 169)` looks like.

```
.text, #text, p{  
    color:rgb(22, 233, 169)  
}
```

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(22, 233, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 233, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.6312, 61.3130, 47.4400 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(22, 233, 169) }
```


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

```
.border{ border-color:rgb(22, 233, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 233, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 233, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 233, 169);  
box-shadow:4px 4px 4px 4px rgb(22, 233,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6312, 61.3130, 47.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 233, 169) }
```

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

```
.background{ background-color: rgb(22, 233,  
169) }
```

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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