

Converting Colors

XYZ(21.9630, 36.9897, 24.0610)

Have a look what the booklet for
XYZ(21.9630, 36.9897, 24.0610)
contains.

XYZ(21.9649, 36.9905, 24.0714)	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(21.9649, 36.9905,
24.0714)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABA79
RGB	42, 186, 121
RGB Percent	16%, 73%, 47%
CMY	0.8353, 0.2706, 0.5255
CMYK	0.77, 0.00, 0.35, 0.27
HSL	153°, 63%, 45%
HSV	153°, 77%, 73%
XYZ	21.9649, 36.9905, 24.0714
YIQ	135.5340, -64.9590, -50.7430

Conversions

Conversions Part 2

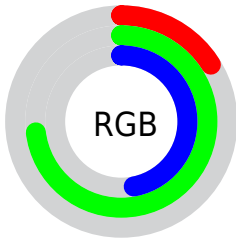
Format	Color
RYB	42, 135, 186
Decimal	2800249
CIELab	67.27, -52.09, 22.64
CIELCh	67, 56.796, 156.512
Yxy	36.9905, 0.2646, 0.4455
Android (android.graphics.Color)	4280990329 (0xFF2ABA79)
YUV	135.5340, -7.1653, -82.0293
Hunter-Lab	60.8198, -41.9699, 19.1079

Details

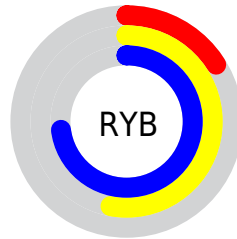
The XYZ color **21.9649, 36.9905, 24.0714** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **23.7326, 13.1573, 15.1999**, and the grayscale version is **23.2718, 24.4837, 26.6628**.

A 20% lighter version of the original color is **46.1210, 70.4722, 51.2161**, and **9.4210, 16.9704, 8.9100** is the 20% darker color. If you saturate the color by 10%, you get **20.8807, 36.4895, 21.4494**, and if you desaturate by 10%, it is **23.4487, 37.6943, 26.9478**.

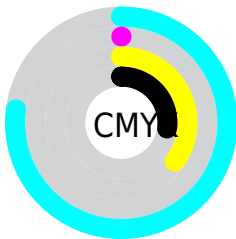
Distribution



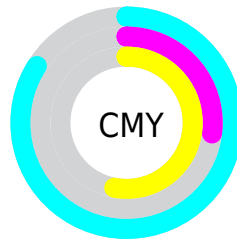
- Red (16%)
- Green (73%)
- Blue (47%)



- Red (16%)
- Yellow (53%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (35%)
- Black (27%)





- Cyan (84%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9649, 36.9905, 24.0714 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 21.9649, 36.9905, 24.0714 by changing the saturation by 10% instead.


 21.9649, 36.9905,
24.0714


 21.9649, 36.9905,
24.0714

254.9987,
333.2694, 286.4794


 13.9476, 25.2001,
15.1739


 46.1673, 70.5582,
51.0920

 8.1657, 16.2262,
8.7935

 63.0830, 93.1043,
70.0521


 4.2538, 9.6844,
4.5118


 83.6956, 120.0044,
93.2036

 1.8467, 5.1902,
1.9101

 108.3704,
151.6430, 120.9649

 0.5456, 2.3593,
0.4992

 137.4727,
188.4044, 153.7546

 0.0000, 0.8048,
0.0000

171.3680,

 0.0000, 0.0000,

230.6730, 191.9913

0.0000

210.4216,
278.8332, 236.0933

■ 21.9649, 36.9905,
24.0714

■ 21.9649, 36.9905,
24.0714

■ 20.8807, 36.4895,
21.4494

■ 23.4487, 37.6943,
26.9478

■ 20.1291, 36.1539,
19.0701

■ 25.3736, 38.6192,
30.0837

■ 19.9599, 36.0793,
18.4933

■ 27.7786, 39.7862,
33.4873

■ 30.6976, 41.2126,
37.1655

■ 34.1613, 42.9142,
41.1250

■ 38.1978, 44.9052,
45.3720

■ 42.8333, 47.1992,
49.9127

■ 48.0922, 49.8086,
54.7530

■ 53.9976, 52.7452,
59.8985

Harmonies

Analogous

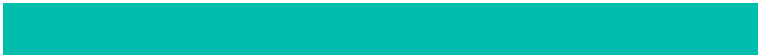
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.1333, 36.9905, 12.7787



21.9649, 36.9905, 24.0714



21.0461, 36.9905, 45.9447

Triad

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



21.9649, 36.9905, 24.0714



37.0855, 36.9905, 108.8803



50.3514, 36.9905, 18.0047

Complementary

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



21.9649, 36.9905, 24.0714



23.7326, 13.1573, 15.1999

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.



54.4849, 36.9905, 35.0946



21.9649, 36.9905, 24.0714



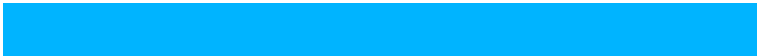
46.0535, 36.9905, 92.2047

Square

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



21.9649, 36.9905, 24.0714



28.9171, 36.9905, 101.9459



52.7950, 36.9905, 62.4887



42.2387, 36.9905, 10.4190

Rectangle

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



21.9649, 36.9905, 24.0714



22.2381, 36.9905, 65.6038



52.7950, 36.9905, 62.4887



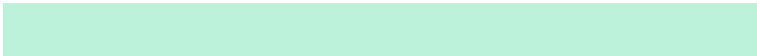
52.3082, 36.9905, 22.4851

Sweetspot

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



21.9659, 36.9920, 24.0723



64.7432, 79.1740, 77.5832



24.3093, 38.5505, 8.3505



13.6955, 17.1585, 16.4806



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.9659, 36.9920, 24.0723



36.8316, 65.6818, 35.7621



26.3835, 37.1680, 52.2397



9.0909, 10.1403, 10.6362



13.4661, 24.2874, 12.6425



0.5055, 0.8685, 0.6076

Inverse Universe

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



23.7326, 13.1573, 15.1999



40.2126, 20.6447, 19.2094



21.6771, 12.6240, 3.4850



9.1686, 9.0778, 10.2353



14.7357, 7.4680, 6.4948



0.5507, 0.2758, 0.3936

Previews

White Background



This preview shows how the XYZ color 21.9649, 36.9905, 24.0714 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 21.9649, 36.9905, 24.0714 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

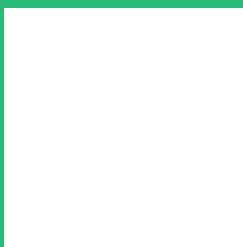
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9649, 36.9905, 24.0714

Background



This preview shows how black text looks on a background with the XYZ color 21.9649, 36.9905, 24.0714.



This preview shows how white text looks on a background with the XYZ color 21.9649, 36.9905,

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

21.9649, 36.9905, 24.0714

Protanopia

33.6941, 36.2185, 20.2539

Deuteranopia

37.0200, 36.2826, 25.4742



Tritanopia

28.1382, 36.7459, 55.4788

Trichromacy



Original Color

21.9649, 36.9905, 24.0714



Protanomaly

26.4098, 34.8757, 21.5594



Deuteranomaly

27.6737, 34.3523, 24.5741



Tritanomaly

25.2541, 36.4525, 41.7814

Monochromacy



Original Color

21.9649, 36.9905, 24.0714



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.1318, 27.5747, 25.6814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9649, 36.9905, 24.0714 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, 186, 121)` looks like.

```
.text, #text, p{  
    color:rgb(42, 186, 121)  
}
```

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, 186, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 186, 121) }
```

Border

The CSS property to change the border of an element to XYZ 21.9649, 36.9905, 24.0714 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, 186, 121) }
```


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

```
.border{ border-color:rgb(42, 186, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 186, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 186, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 186, 121);  
box-shadow:4px 4px 4px 4px rgb(42, 186,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9649, 36.9905, 24.0714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 186, 121) }
```

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

```
.background{ background-color: rgb(42, 186,  
121) }
```

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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