

Converting Colors

XYZ(24.3763, 36.6404, 45.4484)

Have a look what the booklet for
XYZ(24.3763, 36.6404, 45.4484)
contains.

XYZ(24.2708, 36.4730, 45.2960)	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(24.2708, 36.4730,
45.2960)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6AD
RGB	0, 182, 173
RGB Percent	0%, 71%, 68%
CMY	0.9999, 0.2863, 0.3216
CMYK	1.00, 0.00, 0.05, 0.29
HSL	177°, 100%, 36%
HSV	177°, 100%, 71%
XYZ	24.2708, 36.4730, 45.2960
YIQ	126.5560, -105.5830, -41.3830

Conversions

Conversions Part 2

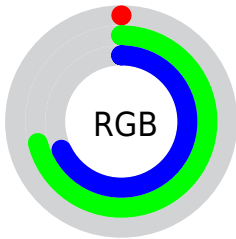
Format	Color
RYB	0, 93, 182
Decimal	46765
CIELab	66.88, -40.03, -6.41
CIElCh	67, 40.536, 189.091
Yxy	36.4730, 0.2289, 0.3440
Android (android.graphics.Color)	4278236845 (0xFF00B6AD)
YUV	126.5560, 22.8969, -110.9896
Hunter-Lab	60.3929, -33.9516, -2.1938

Details

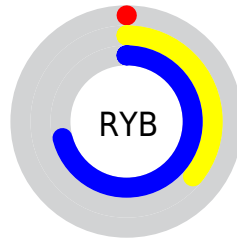
The XYZ color **24.2708, 36.4730, 45.2960** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.3419, 9.9660, 1.1637**, and the grayscale version is **19.9748, 21.0150, 22.8854**.

A 20% lighter version of the original color is **50.0157, 69.9871, 84.2715**, and **11.1704, 16.8188, 20.7468** is the 20% darker color. If you saturate the color by 10%, you get **24.2713, 36.4741, 45.2960**, and if you desaturate by 10%, it is **24.6128, 36.6400, 45.7692**.

Distribution



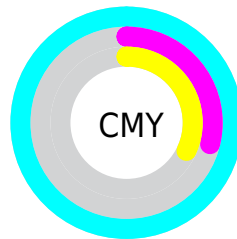
- Red (0%)
- Green (71%)
- Blue (68%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2708, 36.4730, 45.2960 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 24.2708, 36.4730, 45.2960 by changing the saturation by 10% instead.


 24.2708, 36.4730,
45.2960


 24.2708, 36.4730,
45.2960


266.6018,
331.0232, 384.1661


 15.6604, 24.7997,
31.3460

 49.9232, 69.7615,
84.4876


 9.3735, 15.9279,
20.6018


 67.6960, 92.1455,
110.5662


 5.0447, 9.4732,
12.6448


 89.2536, 118.8686,
141.5248

 2.3085, 5.0511,
7.0566

 114.9614,
150.3151, 177.7819

 0.7990, 2.2773,
3.4185

 145.1848,
186.8694, 219.7560

 0.0000, 0.7616,
1.3121

180.2891,

 0.0000, 0.0000,

228.9159, 267.8657

0.0717

220.6397,
276.8391, 322.5296

■ 0.0000, 0.0000,
0.0000

■ 24.2708, 36.4730,
45.2960

■ 24.2708, 36.4730,
45.2960

■ 24.2713, 36.4741,
45.2960

■ 24.6128, 36.6400,
45.7692

■ 25.1898, 36.9273,
46.2556

■ 26.0912, 37.3818,
46.7603

■ 27.3600, 38.0255,
47.2852

■ 29.0325, 38.8774,
47.8322

■ 31.1408, 39.9538,
48.4026

■ 33.7135, 41.2696,
48.9979

■ 36.7772, 42.8384,
49.6192

■ 40.3560, 44.6727,
50.2678

Harmonies

Analogous

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



24.7700, 36.4730, 28.8315



24.2708, 36.4730, 45.2960



26.2904, 36.4730, 65.0628

Triad

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



24.2708, 36.4730, 45.2960



42.6527, 36.4730, 72.1429



39.0508, 36.4730, 15.7690

Complementary

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



24.2708, 36.4730, 45.2960



19.3419, 9.9660, 1.1637

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.



44.6559, 36.4730, 21.9868



24.2708, 36.4730, 45.2960



46.9000, 36.4730, 53.0364

Square

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



24.2708, 36.4730, 45.2960



36.5648, 36.4730, 83.3055



47.6734, 36.4730, 34.6085



32.8351, 36.4730, 14.8160

Rectangle

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



24.2708, 36.4730, 45.2960



28.9512, 36.4730, 76.3400



47.6734, 36.4730, 34.6085



41.0884, 36.4730, 17.2009

Sweetspot

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



24.2719, 36.4744, 45.2969



60.8528, 74.6821, 88.7719



16.8430, 33.5160, 5.5825



12.9883, 16.2636, 19.5057



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2719, 36.4744, 45.2969



43.9755, 66.1144, 81.9779



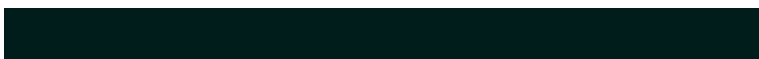
13.0126, 12.5146, 45.9871



9.2470, 10.2028, 11.4579



17.1470, 25.7597, 32.0255



0.6104, 0.9105, 1.1601

Inverse Universe

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



19.3419, 9.9660, 1.1637



35.0399, 18.0562, 1.9777



22.3035, 15.9681, 1.9076



9.0221, 9.0192, 9.4640



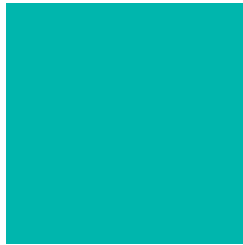
13.6655, 7.0400, 0.8595



0.4879, 0.2506, 0.0625

Previews

White Background



This preview shows how the XYZ color 24.2708, 36.4730, 45.2960 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 24.2708, 36.4730, 45.2960 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

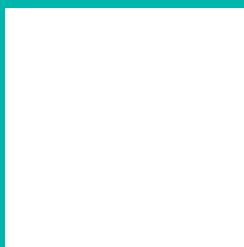
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2708, 36.4730, 45.2960

Background



This preview shows how black text looks on a background with the XYZ color 24.2708, 36.4730, 45.2960.

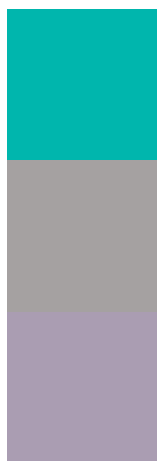


This preview shows how white text looks on a background with the XYZ color 24.2708, 36.4730,

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

24.2708, 36.4730, 45.2960

Protanopia

34.6949, 36.0623, 38.8503

Deuteranopia

36.6704, 35.8743, 47.1112



Tritanopia

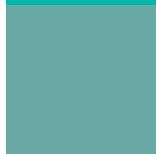
26.6208, 36.5416, 56.1022

Trichromacy



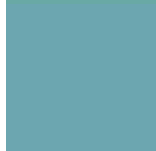
Original Color

24.2708, 36.4730, 45.2960



Protanomaly

26.8052, 34.0958, 40.7657



Deuteranomaly

27.6570, 33.5952, 46.1011



Tritanomaly

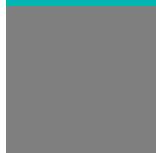
25.5851, 36.3944, 52.1307

Monochromacy



Original Color

24.2708, 36.4730, 45.2960



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.8611, 24.6304, 30.1456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2708, 36.4730, 45.2960 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(0, 182, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 173)  
}
```

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(0, 182, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 173) }
```

Border

The CSS property to change the border of an element to XYZ 24.2708, 36.4730, 45.2960 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(0, 182, 173) }
```


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

```
.border{ border-color:rgb(0, 182, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2708, 36.4730, 45.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 173) }
```

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

```
.background{ background-color: rgb(0, 182,  
173) }
```

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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