

Converting Colors

XYZ(13.5693, 20.9045, 23.7419)

Have a look what the booklet for
XYZ(13.5693, 20.9045, 23.7419)
contains.

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Color

**XYZ(13.5693, 20.9045,
23.7419)**

Conversions

Conversions Part 1

Format	Color
Hex	008E80
RGB	0, 142, 128
RGB Percent	0%, 56%, 50%
CMY	0.9999, 0.4431, 0.4980
CMYK	1.00, 0.00, 0.10, 0.44
HSL	174°, 100%, 28%
HSV	174°, 100%, 56%
XYZ	13.5693, 20.9045, 23.7419
YIQ	97.9460, -80.1380, -34.4580

Conversions

Conversions Part 2

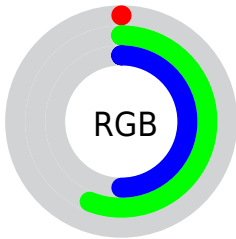
Format	Color
RYB	0, 75, 142
Decimal	36480
CIELab	52.84, -35.42, -1.68
CIELCh	53, 35.463, 182.716
Yxy	20.9045, 0.2331, 0.3591
Android (android.graphics.Color)	4278226560 (0xFF008E80)
YUV	97.9460, 14.8166, -85.8986
Hunter-Lab	45.7214, -27.0369, 1.2173

Details

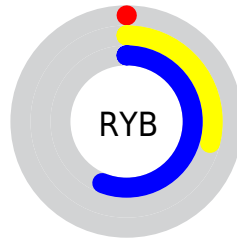
The XYZ color **13.5693, 20.9045, 23.7419** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2353, 5.7831, 0.9403**, and the grayscale version is **11.5762, 12.1791, 13.2630**.

A 20% lighter version of the original color is **31.8267, 44.7473, 50.6757**, and **5.1524, 8.0467, 8.6787** is the 20% darker color. If you saturate the color by 10%, you get **13.5696, 20.9051, 23.7418**, and if you desaturate by 10%, it is **13.8470, 21.0374, 24.2399**.

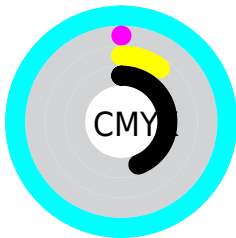
Distribution



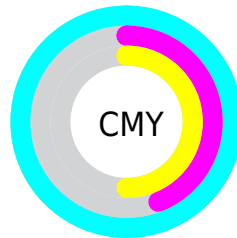
- Red (0%)
- Green (56%)
- Blue (50%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5693, 20.9045, 23.7419 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 13.5693, 20.9045, 23.7419 by changing the saturation by 10% instead.

■ 13.5693, 20.9045,
23.7419

■ 13.5693, 20.9045,
23.7419

208.0994,
256.7705, 284.7574

■ 7.9014, 13.0542,
14.9318

■ 31.9155, 44.9285,
50.5472

■ 4.0832, 7.4659,
8.6255

■ 45.3246, 61.8711,
69.3796

■ 1.7493, 3.7551,
4.4043

■ 62.0447, 82.6132,
92.3898

■ 0.4868, 1.5376,
1.8496

■ 82.4413, 107.5392,
119.9964

■ 0.0000, 0.3149,
0.4604

■ 106.8797,
137.0335, 152.6179

■ 0.0000, 0.0000,
0.0000

■ 135.7253,

171.4806, 190.6729

169.3434,
211.2648, 234.5799

■ 13.5693, 20.9045,
23.7419

■ 13.5693, 20.9045,
23.7419

■ 13.5696, 20.9051,
23.7418

■ 13.8470, 21.0374,
24.2399

■ 14.2470, 21.2328,
24.7498

■ 14.8324, 21.5235,
25.2750

■ 15.6258, 21.9213,
25.8168

■ 16.6466, 22.4363,
26.3759

■ 17.9122, 23.0773,
26.9532

■ 19.4381, 23.8523,
27.5495

■ 21.2385, 24.7687,
28.1655

■ 23.3267, 25.8332,
28.8018

Harmonies

Analogous

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



14.1868, 20.9045, 14.6320



13.5693, 20.9045, 23.7419



14.4582, 20.9045, 35.6638

Triad

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



13.5693, 20.9045, 23.7419



23.9731, 20.9045, 44.6019



23.3166, 20.9045, 9.0185

Complementary

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



13.5693, 20.9045, 23.7419



11.2353, 5.7831, 0.9403

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.



26.4852, 20.9045, 13.4199



13.5693, 20.9045, 23.7419



26.8962, 20.9045, 33.4524

Square

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



13.5693, 20.9045, 23.7419



20.2086, 20.9045, 49.8256



27.8676, 20.9045, 21.8084



19.5335, 20.9045, 7.8599

Rectangle

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



13.5693, 20.9045, 23.7419



15.8588, 20.9045, 43.1574



27.8676, 20.9045, 21.8084



24.5041, 20.9045, 10.0824

Sweetspot

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



13.5699, 20.9053, 23.7424



34.0908, 41.9658, 48.5117



9.8579, 19.4418, 3.2336



7.3828, 9.2555, 10.7479



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.5699, 20.9053, 23.7424



23.8942, 36.8497, 41.6875



8.1478, 8.4831, 26.8000



5.5377, 6.1073, 6.7972



12.1868, 18.7706, 21.3357



0.1208, 0.1812, 0.2266

Inverse Universe

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



11.2353, 5.7831, 0.9403



19.7815, 10.1850, 1.5001



12.6096, 8.6587, 1.0072



5.4292, 5.4322, 5.7579



10.0906, 5.1933, 0.8625



0.0999, 0.0510, 0.0262

Previews

White Background



This preview shows how the XYZ color 13.5693, 20.9045, 23.7419 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5693, 20.9045, 23.7419 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 × Fail

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

XYZ 13.5693, 20.9045, 23.7419

Background



This preview shows how black text looks on a background with the XYZ color 13.5693, 20.9045, 23.7419.

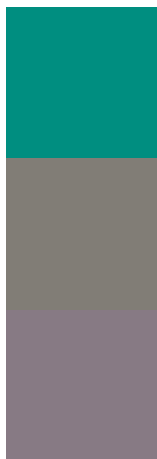


This preview shows how white text looks on a background with the XYZ color 13.5693, 20.9045,

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

13.5693, 20.9045, 23.7419

Protanopia

19.6569, 20.6424, 20.0879

Deuteranopia

21.1161, 20.7359, 24.7193



Tritanopia

15.4652, 21.0423, 32.1006

Trichromacy



Original Color

13.5693, 20.9045, 23.7419

Protanomaly

15.1088, 19.4316, 21.3667

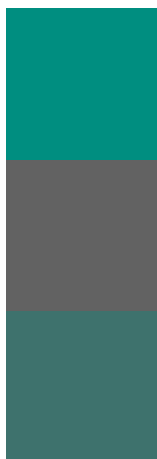
Deuteranomaly

15.7847, 19.3176, 24.3695

Tritanomaly

14.6139, 20.8913, 28.8534

Monochromacy



Original Color

13.5693, 20.9045, 23.7419

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7642, 14.1629, 16.6344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5693, 20.9045, 23.7419 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, 142, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 128)  
}
```

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, 142, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.5693, 20.9045, 23.7419 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, 142, 128) }
```


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

```
.border{ border-color:rgb(0, 142, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5693, 20.9045, 23.7419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 128) }
```

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

```
.background{ background-color: rgb(0, 142,  
128) }
```

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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