

Converting Colors

XYZ(12.8984, 20.5856, 25.4156)

Have a look what the booklet for
XYZ(12.8984, 20.5856, 25.4156)
contains.

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Color

**XYZ(13.9066, 21.0395,
25.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	008E85
RGB	0, 142, 133
RGB Percent	0%, 56%, 52%
CMY	1.0000, 0.4431, 0.4784
CMYK	1.00, 0.00, 0.06, 0.44
HSL	176°, 100%, 28%
HSV	176°, 100%, 56%
XYZ	13.9066, 21.0395, 25.5184
YIQ	98.5160, -81.7430, -32.9030

Conversions

Conversions Part 2

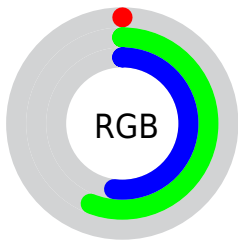
Format	Color
RYB	0, 73, 142
Decimal	36485
CIELab	52.99, -33.91, -4.36
CIELCh	53, 34.191, 187.319
Yxy	21.0395, 0.2300, 0.3480
Android (android.graphics.Color)	4278226565 (0xFF008E85)
YUV	98.5160, 17.0006, -86.3985
Hunter-Lab	45.8688, -26.1525, -0.8769

Details

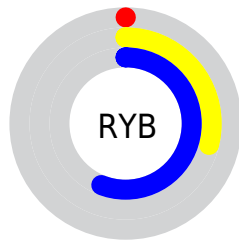
The XYZ color **13.9066, 21.0395, 25.5184** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2052, 5.7710, 0.7821**, and the grayscale version is **11.7127, 12.3227, 13.4194**.

A 20% lighter version of the original color is **32.4406, 45.0035, 53.4311**, and **5.3413, 8.1223, 9.6737** is the 20% darker color. If you saturate the color by 10%, you get **13.9070, 21.0402, 25.5186**, and if you desaturate by 10%, it is **14.1540, 21.1603, 25.8565**.

Distribution



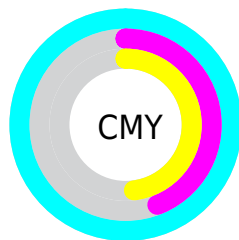
- Red (0%)
- Green (56%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9066, 21.0395, 25.5184 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 13.9066, 21.0395, 25.5184 by changing the saturation by 10% instead.

■ 13.9066, 21.0395,
25.5184

■ 13.9066, 21.0395,
25.5184

210.1713,
257.4883, 293.9397

■ 8.1370, 13.1529,
16.2412

■ 32.5109, 45.1533,
53.4715

■ 4.2353, 7.5339,
9.5388

■ 46.0762, 62.1492,
72.9844

■ 1.8361, 3.7982,
4.9927

■ 62.9709, 82.9504,
96.7464

■ 0.5393, 1.5613,
2.1843

■ 83.5602, 107.9411,
125.1758

■ 0.0000, 0.3313,
0.6653

■ 108.2096,
137.5059, 158.6913

■ 0.0000, 0.0000,
0.0000

■ 137.2843,

172.0291, 197.7115

171.1497,
211.8951, 242.6548

■ 13.9066, 21.0395,
25.5184

■ 13.9066, 21.0395,
25.5184

■ 13.9070, 21.0402,
25.5186

■ 14.1540, 21.1603,
25.8565

■ 14.5228, 21.3431,
26.2027

■ 15.0762, 21.6211,
26.5603

■ 15.8369, 22.0058,
26.9303

■ 16.8243, 22.5074,
27.3138

■ 18.0556, 23.1346,
27.7116

■ 19.5465, 23.8956,
28.1243

■ 21.3111, 24.7977,
28.5526

■ 23.3628, 25.8476,
28.9972

Harmonies

Analogous

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



14.2845, 21.0395, 16.1045



13.9066, 21.0395, 25.5184



14.9983, 21.0395, 37.0926

Triad

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



13.9066, 21.0395, 25.5184



24.4773, 21.0395, 42.4828



22.7767, 21.0395, 9.0885

Complementary

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



13.9066, 21.0395, 25.5184



11.2052, 5.7710, 0.7821

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.



25.9996, 21.0395, 12.8981



13.9066, 21.0395, 25.5184



27.0605, 21.0395, 31.4008

Square

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



13.9066, 21.0395, 25.5184



20.8891, 21.0395, 48.6181



27.6486, 21.0395, 20.4828



19.1315, 21.0395, 8.3704

Rectangle

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



13.9066, 21.0395, 25.5184



16.4995, 21.0395, 43.8822



27.6486, 21.0395, 20.4828



23.9578, 21.0395, 9.9798

Sweetspot

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



13.9072, 21.0403, 25.5189



34.2873, 42.0444, 49.5461



9.7921, 19.4079, 3.2303



7.4317, 9.2751, 11.0057



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.



13.9072, 21.0403, 25.5189



24.5002, 37.0921, 44.8783



7.7862, 7.7599, 26.6796



5.5457, 6.1105, 6.8395



12.4885, 18.8913, 22.9244



0.1223, 0.1818, 0.2344

Inverse Universe

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



11.2052, 5.7710, 0.7821



19.7356, 10.1667, 1.2585



12.8536, 9.1465, 1.0883



5.4219, 5.4293, 5.7197



10.0628, 5.1821, 0.7159



0.0984, 0.0504, 0.0185

Previews

White Background



This preview shows how the XYZ color 13.9066, 21.0395, 25.5184 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 13.9066, 21.0395, 25.5184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

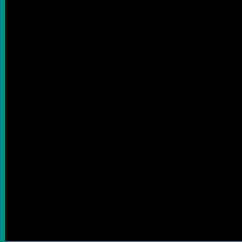
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.9066, 21.0395, 25.5184

Background



This preview shows how black text looks on a background with the XYZ color 13.9066, 21.0395, 25.5184.



This preview shows how white text looks on a background with the XYZ color 13.9066, 21.0395,

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

13.9066, 21.0395, 25.5184

Protanopia

19.9620, 20.7644, 21.6947

Deuteranopia

21.1478, 20.7118, 26.5501



Tritanopia

15.4457, 21.0229, 32.5219

Trichromacy



Original Color

13.9066, 21.0395, 25.5184

Protanomaly

15.4267, 19.5587, 23.0408

Deuteranomaly

16.0405, 19.4094, 26.1935

Tritanomaly

14.7214, 20.9292, 29.6494

Monochromacy



Original Color

13.9066, 21.0395, 25.5184

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.0499, 14.4659, 17.2487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9066, 21.0395, 25.5184 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.9066, 21.0395, 25.5184 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, 133) }
```


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

```
.border{ border-color:rgb(0, 142, 133) }
```

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, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9066, 21.0395, 25.5184 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, 133) }
```

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

```
.background{ background-color: rgb(0, 142,  
133) }
```

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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