

Converting Colors

XYZ(14.8151, 23.1766, 24.6023)

Have a look what the booklet for
XYZ(14.8151, 23.1766, 24.6023)
contains.

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Color

**XYZ(14.7600, 23.1057,
24.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	049581
RGB	4, 149, 129
RGB Percent	2%, 58%, 51%
CMY	0.9842, 0.4157, 0.4941
CMYK	0.97, 0.00, 0.13, 0.42
HSL	172°, 95%, 30%
HSV	172°, 97%, 58%
XYZ	14.7600, 23.1057, 24.4508
YIQ	103.3650, -80.0000, -36.9600

Conversions

Conversions Part 2

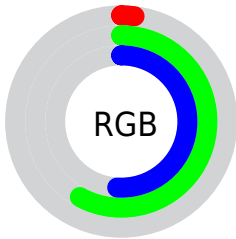
Format	Color
RYB	4, 82, 149
Decimal	300417
CIELab	55.18, -38.06, 1.16
CIELCh	55, 38.080, 178.253
Yxy	23.1057, 0.2369, 0.3708
Android (android.graphics.Color)	4278490497 (0xFF049581)
YUV	103.3650, 12.6381, -87.1431
Hunter-Lab	48.0684, -29.3090, 3.4890

Details

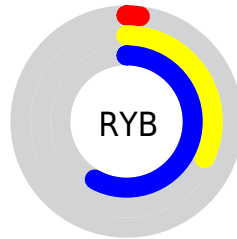
The XYZ color **14.7600, 23.1057, 24.4508** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.6036, 6.5431, 1.4639**, and the grayscale version is **12.9734, 13.6490, 14.8638**.

A 20% lighter version of the original color is **34.0609, 48.6378, 51.8488**, and **5.7227, 9.1286, 9.0498** is the 20% darker color. If you saturate the color by 10%, you get **14.6736, 23.0659, 24.2554**, and if you desaturate by 10%, it is **15.1154, 23.2735, 25.1885**.

Distribution



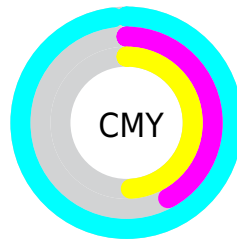
- Red (2%)
- Green (58%)
- Blue (51%)



- Red (2%)
- Yellow (32%)
- Blue (58%)



- Cyan (97%)
- Magenta (0%)
- Yellow (13%)
- Black (42%)



- Cyan (98%)
- Magenta (42%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7600, 23.1057, 24.4508 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 14.7600, 23.1057, 24.4508 by changing the saturation by 10% instead.

■ 14.7600, 23.1057,
24.4508

■ 14.7600, 23.1057,
24.4508

215.3262,
268.2674, 288.4513

■ 8.7363, 14.6716,
15.4531

■ 34.0067, 48.5668,
51.7179

■ 4.6253, 8.5892,
8.9878

■ 47.9605, 66.3626,
70.8243

■ 2.0616, 4.4742,
4.6365

■ 65.2883, 88.0478,
94.1374

■ 0.6682, 1.9422,
1.9807

■ 86.3556, 114.0066,
122.0756

■ 0.0000, 0.5736,
0.5433

■ 111.5277,
144.6236, 155.0576

■ 0.0000, 0.0000,
0.0000

■ 141.1699,

180.2832, 193.5019

175.6477,
221.3696, 237.8269

■ 14.7600, 23.1057,
24.4508

■ 14.7600, 23.1057,
24.4508

■ 14.6736, 23.0659,
24.2554

■ 15.1154, 23.2735,
25.1885

■ 15.6430, 23.5292,
25.9481

■ 16.3860, 23.8957,
26.7324

■ 17.3690, 24.3855,
27.5425

■ 18.6132, 25.0097,
28.3795

■ 20.1374, 25.7779,
29.2443

■ 21.9588, 26.6990,
30.1379

■ 24.0932, 27.7811,
31.0611

■ 26.5551, 29.0317,
32.0145

Harmonies

Analogous

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



15.7158, 23.1057, 14.7382



14.7600, 23.1057, 24.4508



15.5171, 23.1057, 37.9515

Triad

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



14.7600, 23.1057, 24.4508



26.0638, 23.1057, 51.9388



26.5510, 23.1057, 10.0361

Complementary

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



14.7600, 23.1057, 24.4508



12.6036, 6.5431, 1.4639

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.



29.9804, 23.1057, 15.6212



14.7600, 23.1057, 24.4508



29.6746, 23.1057, 39.6017

Square

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



14.7600, 23.1057, 24.4508



21.7129, 23.1057, 56.5761



31.1904, 23.1057, 25.8791



22.2116, 23.1057, 8.2596

Rectangle

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



14.7600, 23.1057, 24.4508



16.9541, 23.1057, 46.9875



31.1904, 23.1057, 25.8791



27.8683, 23.1057, 11.4186

Sweetspot

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



14.7607, 23.1066, 24.4513



38.5300, 47.4108, 53.6008



11.1899, 21.7210, 3.7182



8.2559, 10.3638, 11.7413



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.7607, 23.1066, 24.4513



26.2283, 41.2870, 43.1772



9.8672, 10.9797, 30.0340



5.9301, 6.5486, 7.2426



12.3575, 19.4158, 20.4559



0.1589, 0.2407, 0.2906

Inverse Universe

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



12.6036, 6.5431, 1.4639



22.3916, 11.5208, 2.0645



13.7719, 9.1086, 1.1477



5.8315, 5.8276, 6.2186



10.5492, 5.4247, 1.1070



0.1354, 0.0689, 0.0466

Previews

White Background



This preview shows how the XYZ color 14.7600, 23.1057, 24.4508 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 14.7600, 23.1057, 24.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

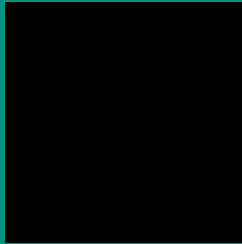
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7600, 23.1057, 24.4508

Background



This preview shows how black text looks on a background with the XYZ color 14.7600, 23.1057, 24.4508.

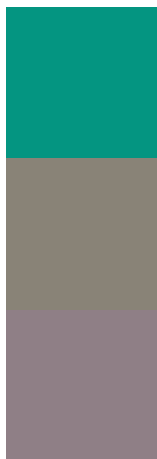


This preview shows how white text looks on a background with the XYZ color 14.7600, 23.1057,

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

14.7600, 23.1057, 24.4508

Protanopia

21.7626, 22.8829, 20.7226

Deuteranopia

23.2201, 22.7396, 25.7196



Tritanopia

17.1257, 23.1565, 35.4653

Trichromacy



Original Color

14.7600, 23.1057, 24.4508

Protanomaly

16.7835, 21.7309, 22.0488

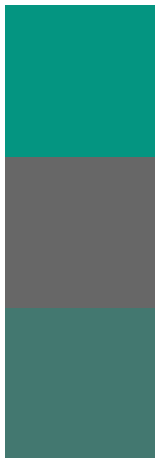
Deuteranomaly

17.2425, 21.2692, 25.0264

Tritanomaly

16.0242, 22.9112, 31.1815

Monochromacy



Original Color

14.7600, 23.1057, 24.4508

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.9558, 15.7961, 17.7480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7600, 23.1057, 24.4508 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(4, 149, 129)` looks like.

```
.text, #text, p{  
    color:rgb(4, 149, 129)  
}
```

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(4, 149, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 149, 129) }
```

Border

The CSS property to change the border of an element to XYZ 14.7600, 23.1057, 24.4508 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(4, 149, 129) }
```


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

```
.border{ border-color:rgb(4, 149, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 149, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 149, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 149, 129);  
box-shadow:4px 4px 4px 4px rgb(4, 149,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7600, 23.1057, 24.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 149, 129) }
```

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

```
.background{ background-color: rgb(4, 149,  
129) }
```

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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