

Converting Colors

XYZ(14.2084, 23.9746, 15.6831)

Have a look what the booklet for
XYZ(14.2084, 23.9746, 15.6831)
contains.

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Color

**XYZ(14.2084, 23.9746,
15.6831)**

Conversions

Conversions Part 1

Format	Color
Hex	1F9963
RGB	31, 153, 99
RGB Percent	12%, 60%, 39%
CMY	0.8784, 0.4000, 0.6118
CMYK	0.80, 0.00, 0.35, 0.40
HSL	153°, 66%, 36%
HSV	153°, 80%, 60%
XYZ	14.2084, 23.9746, 15.6831
YIQ	110.3660, -55.3780, -42.6580

Conversions

Conversions Part 2

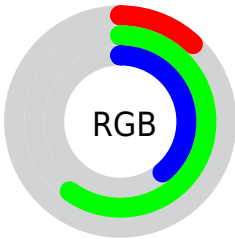
Format	Color
R_{YB}	31, 109, 153
Decimal	2070883
CIE _{Lab}	56.06, -45.25, 19.41
CIE _{LCh}	56, 49.237, 156.787
Yxy	23.9746, 0.2638, 0.4451
Android (android.graphics.Color)	4280260963 (0xFF1F9963)
YUV	110.3660, -5.6034, -69.6040
Hunter-Lab	48.9639, -33.8894, 15.2841

Details

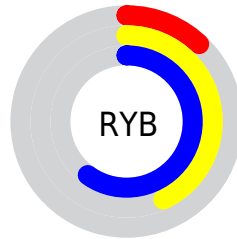
The XYZ color **14.2084, 23.9746, 15.6831** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.2673, 8.4086, 9.4134**, and the grayscale version is **14.9538, 15.7326, 17.1328**.

A 20% lighter version of the original color is **32.9907, 49.8551, 36.7384**, and **5.2735, 9.5553, 4.8152** is the 20% darker color. If you saturate the color by 10%, you get **13.5421, 23.6676, 14.0324**, and if you desaturate by 10%, it is **15.1218, 24.4071, 17.4882**.

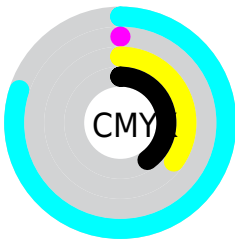
Distribution



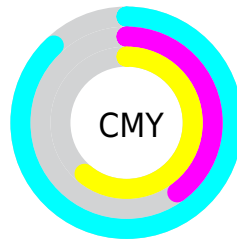
- Red (12%)
- Green (60%)
- Blue (39%)



- Red (12%)
- Yellow (43%)
- Blue (60%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)



- Cyan (88%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2084, 23.9746, 15.6831 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 14.2084, 23.9746, 15.6831 by changing the saturation by 10% instead.

■ 14.2084, 23.9746,
15.6831

■ 14.2084, 23.9746,
15.6831

212.0082,
272.6920, 239.2459

■ 8.3484, 15.3148,
9.1483

■ 33.0415, 49.9887,
36.8063

■ 4.3724, 9.0406,
4.7399

■ 46.7454, 68.1119,
52.2317

■ 1.9149, 4.7677,
2.0394

■ 63.7946, 90.1582,
71.4577

■ 0.5855, 2.1116,
0.5794

■ 84.5545, 116.5122,
94.9029

■ 0.0000, 0.6711,
0.0000

■ 109.3905,
147.5581, 122.9858

■ 0.0000, 0.0000,
0.0000

■ 138.6678,

183.6805, 156.1249

172.7520,
225.2637, 194.7388

■ 14.2084, 23.9746,
15.6831

■ 14.2084, 23.9746,
15.6831

■ 13.5421, 23.6676,
14.0324

■ 15.1218, 24.4071,
17.4882

■ 13.0546, 23.4491,
12.5279

■ 16.3086, 24.9767,
19.4507

■ 13.0425, 23.4436,
12.4902

■ 17.7934, 25.6967,
21.5754

■ 19.5974, 26.5779,
23.8667

■ 21.7400, 27.6301,
26.3282

■ 24.2389, 28.8626,
28.9639

■ 27.1103, 30.2836,
31.7774

■ 30.3697, 31.9010,
34.7721

■ 34.0316, 33.7222,
37.9515

Harmonies

Analogous

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



16.8943, 23.9746, 8.3034



14.2084, 23.9746, 15.6831



13.6315, 23.9746, 29.9463

Triad

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



14.2084, 23.9746, 15.6831



24.0919, 23.9746, 70.6393



32.6141, 23.9746, 11.5810

Complementary

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



14.2084, 23.9746, 15.6831



15.2673, 8.4086, 9.4134

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.



35.3303, 23.9746, 22.6057



14.2084, 23.9746, 15.6831



29.9119, 23.9746, 59.6818

Square

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



14.2084, 23.9746, 15.6831



18.7773, 23.9746, 66.2759



34.2677, 23.9746, 40.3468



27.3307, 23.9746, 6.7089

Rectangle

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



14.2084, 23.9746, 15.6831



14.4179, 23.9746, 42.7375



34.2677, 23.9746, 40.3468



33.8941, 23.9746, 14.4670

Sweetspot

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



14.2090, 23.9756, 15.6837



41.2062, 50.6010, 49.5940



15.4678, 24.8561, 5.2790



8.7820, 11.0170, 10.6130



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.2090, 23.9756, 15.6837



23.5591, 42.0758, 22.9137



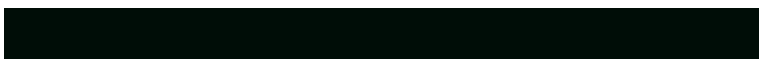
16.7337, 23.4285, 33.7783



6.2690, 6.9803, 7.3401



10.7959, 19.3818, 10.4120



0.1797, 0.2971, 0.2519

Inverse Universe

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



15.2673, 8.4086, 9.4134



25.5656, 13.0822, 11.4118



14.0495, 8.2010, 2.1390



6.3167, 6.2658, 7.0479



11.7291, 5.9459, 5.0983



0.1932, 0.0960, 0.1704

Previews

White Background



This preview shows how the XYZ color 14.2084, 23.9746, 15.6831 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 14.2084, 23.9746, 15.6831 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 14.2084, 23.9746, 15.6831

Background



This preview shows how black text looks on a background with the XYZ color 14.2084, 23.9746, 15.6831.



This preview shows how white text looks on a background with the XYZ color 14.2084, 23.9746,

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

14.2084, 23.9746, 15.6831

Protanopia

21.7775, 23.4597, 13.2779

Deuteranopia

23.9793, 23.5262, 16.6418



Tritanopia

18.3749, 24.0185, 36.0153

Trichromacy



Original Color

14.2084, 23.9746, 15.6831



Protanomaly

16.9920, 22.4479, 14.0270



Deuteranomaly

17.9494, 22.2501, 16.1806



Tritanomaly

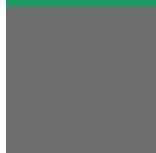
16.5782, 23.9791, 27.4216

Monochromacy



Original Color

14.2084, 23.9746, 15.6831



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.4557, 17.7116, 16.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2084, 23.9746, 15.6831 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(31, 153, 99)` looks like.

```
.text, #text, p{  
    color:rgb(31, 153, 99)  
}
```

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(31, 153, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 153, 99) }
```

Border

The CSS property to change the border of an element to XYZ 14.2084, 23.9746, 15.6831 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(31, 153, 99) }
```


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

```
.border{ border-color:rgb(31, 153, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 153, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 153, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 153, 99);  
box-shadow:4px 4px 4px 4px rgb(31, 153,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2084, 23.9746, 15.6831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 153, 99) }
```

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

```
.background{ background-color: rgb(31, 153,  
99) }
```

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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