

Converting Colors

XYZ(14.9953, 25.7074, 12.0432)

Have a look what the booklet for
XYZ(14.9953, 25.7074, 12.0432)
contains.

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Color

**XYZ(14.9787, 25.7008,
11.9559)**

Conversions

Conversions Part 1

Format	Color
Hex	319E51
RGB	49, 158, 81
RGB Percent	19%, 62%, 32%
CMY	0.8078, 0.3804, 0.6823
CMYK	0.69, 0.00, 0.49, 0.38
HSL	138°, 53%, 41%
HSV	138°, 69%, 62%
XYZ	14.9787, 25.7008, 11.9559
YIQ	116.6310, -40.2470, -47.0550

Conversions

Conversions Part 2

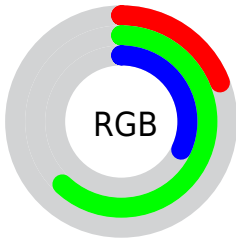
Format	Color
RYB	49, 133, 158
Decimal	3251793
CIELab	57.75, -47.82, 31.39
CIELCh	58, 57.203, 146.723
Yxy	25.7008, 0.2846, 0.4883
Android (android.graphics.Color)	4281441873 (0xFF319E51)
YUV	116.6310, -17.5661, -59.3124
Hunter-Lab	50.6960, -35.9781, 21.5045

Details

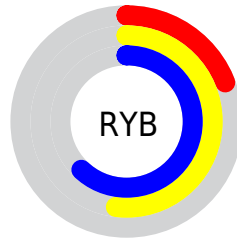
The XYZ color **14.9787, 25.7008, 11.9559** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.9655, 10.9725, 20.8577**, and the grayscale version is **16.8564, 17.7343, 19.3126**.

A 20% lighter version of the original color is **34.5181, 53.0103, 30.2425**, and **5.3261, 10.2130, 3.1294** is the 20% darker color. If you saturate the color by 10%, you get **13.9615, 25.2216, 9.9004**, and if you desaturate by 10%, it is **16.3332, 26.3474, 14.3875**.

Distribution



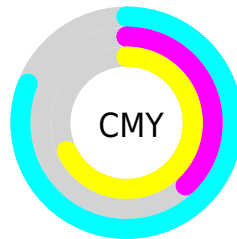
- Red (19%)
- Green (62%)
- Blue (32%)



- Red (19%)
- Yellow (52%)
- Blue (62%)



- Cyan (69%)
- Magenta (0%)
- Yellow (49%)
- Black (38%)



- Cyan (81%)
- Magenta (38%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9787, 25.7008, 11.9559 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 14.9787, 25.7008, 11.9559 by changing the saturation by 10% instead.

■ 14.9787, 25.7008,
11.9559

■ 14.9787, 25.7008,
11.9559

216.6282,
281.3102, 215.0807

■ 8.8907, 16.5999,
6.5915

■ 34.3878, 52.7919,
30.0780

■ 4.7265, 9.9497,
3.1334

■ 48.4395, 71.5509,
43.6727

■ 2.1208, 5.3656,
1.1632

■ 65.8765, 94.2980,
60.8479

■ 0.7005, 2.4633,
0.0000

■ 87.0642, 121.4178,
82.0222

■ 0.0000, 0.8582,
0.0000

■ 112.3678,
153.2945, 107.6141

■ 0.0000, 0.0000,
0.0000

142.1528,

190.3125, 138.0421

176.7845,
232.8563, 173.7248

■ 14.9787, 25.7008,
11.9559

■ 14.9787, 25.7008,
11.9559

■ 13.9615, 25.2216,
9.9004

■ 16.3332, 26.3474,
14.3875

■ 13.2469, 24.8901,
8.2002

■ 18.0512, 27.1724,
17.2112

■ 12.7710, 24.6745,
6.8339

■ 20.1587, 28.1894,
20.4440

■ 12.7282, 24.6551,
6.7130

■ 22.6785, 29.4101,
24.1014

■ 25.6316, 30.8449,
28.1983

■ 29.0377, 32.5035,
32.7487

■ 32.9150, 34.3953,
37.7658

■ 37.2810, 36.5289,
43.2626

■ 42.1520, 38.9125,
49.2514

Harmonies

Analogous

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



18.9650, 25.7008, 5.9900



14.9787, 25.7008, 11.9559



13.4861, 25.7008, 25.8798

Triad

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



14.9787, 25.7008, 11.9559



23.6817, 25.7008, 85.1566



38.2006, 25.7008, 14.2052

Complementary

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



14.9787, 25.7008, 11.9559



18.9655, 10.9725, 20.8577

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.



40.0998, 25.7008, 30.1989



14.9787, 25.7008, 11.9559



30.8503, 25.7008, 77.0853

Square

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



14.9787, 25.7008, 11.9559



17.8832, 25.7008, 72.9199



37.1939, 25.7008, 54.2414



32.4012, 25.7008, 6.7963

Rectangle

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



14.9787, 25.7008, 11.9559



13.8501, 25.7008, 40.3178



37.1939, 25.7008, 54.2414



39.3583, 25.7008, 18.4630

Sweetspot

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



14.9793, 25.7019, 11.9565



45.1714, 55.3438, 49.3286



21.5519, 29.1977, 7.4057



9.8648, 12.3222, 10.6808



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.9793, 25.7019, 11.9565



24.5583, 45.4302, 16.1617



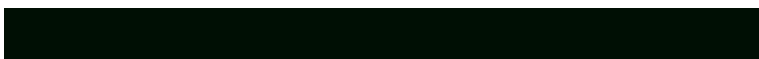
17.8241, 26.8398, 26.9368



6.6269, 7.4315, 7.4698



10.2090, 19.7515, 5.4577



0.1997, 0.3600, 0.1880

Inverse Universe

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



18.9655, 10.9725, 20.8577



32.2303, 16.8172, 33.0972



16.3895, 9.9421, 7.2924



6.8211, 6.7214, 7.9090



13.6360, 6.7590, 12.8661



0.2612, 0.1278, 0.3217

Previews

White Background



This preview shows how the XYZ color 14.9787, 25.7008, 11.9559 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 14.9787, 25.7008, 11.9559 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 14.9787, 25.7008, 11.9559

Background



This preview shows how black text looks on a background with the XYZ color 14.9787, 25.7008, 11.9559.



This preview shows how white text looks on a background with the XYZ color 14.9787, 25.7008,

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

14.9787, 25.7008, 11.9559

Protanopia

23.2734, 25.3468, 10.1443

Deuteranopia

25.7386, 25.3141, 12.7621



Tritanopia

20.0821, 25.5640, 37.5941

Trichromacy



Original Color

14.9787, 25.7008, 11.9559



Protanomaly

18.5352, 24.4315, 10.7600



Deuteranomaly

19.3329, 23.9166, 12.1917



Tritanomaly

17.6399, 25.2807, 25.7797

Monochromacy



Original Color

14.9787, 25.7008, 11.9559



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.1636, 19.7773, 16.1149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9787, 25.7008, 11.9559 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(49, 158, 81)` looks like.

```
.text, #text, p{  
    color:rgb(49, 158, 81)  
}
```

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(49, 158, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 158, 81) }
```

Border

The CSS property to change the border of an element to XYZ 14.9787, 25.7008, 11.9559 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(49, 158, 81) }
```


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

```
.border{ border-color:rgb(49, 158, 81) }
```

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

Here you see how a box with a 4 pixel rgb(49, 158, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 158, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 158, 81);  
box-shadow:4px 4px 4px 4px rgb(49, 158,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9787, 25.7008, 11.9559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 158, 81) }
```

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

```
.background{ background-color: rgb(49, 158,  
81) }
```

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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