

Converting Colors

XYZ(16.4550, 24.9657, 23.3369)

Have a look what the booklet for
XYZ(16.4550, 24.9657, 23.3369)
contains.

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Color

**XYZ(16.4581, 24.9669,
23.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	33997D
RGB	51, 153, 125
RGB Percent	20%, 60%, 49%
CMY	0.8000, 0.4000, 0.5098
CMYK	0.67, 0.00, 0.18, 0.40
HSL	164°, 50%, 40%
HSV	164°, 67%, 60%
XYZ	16.4581, 24.9669, 23.3537
YIQ	119.3100, -51.8040, -30.3320

Conversions

Conversions Part 2

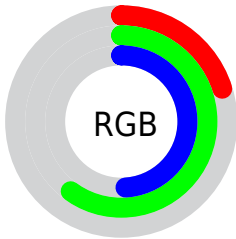
Format	Color
R_{YB}	51, 110, 153
Decimal	3381629
CIE _{Lab}	57.04, -36.15, 6.22
CIE _{LCh}	57, 36.685, 170.242
Yxy	24.9669, 0.2541, 0.3854
Android (android.graphics.Color)	4281571709 (0xFF33997D)
YUV	119.3100, 2.8052, -59.9079
Hunter-Lab	49.9669, -28.6477, 7.2657

Details

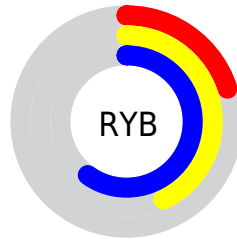
The XYZ color **16.4581, 24.9669, 23.3537** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7327, 9.7050, 8.4420**, and the grayscale version is **17.6366, 18.5550, 20.2064**.

A 20% lighter version of the original color is **37.0222, 51.6411, 50.1359**, and **5.9582, 9.8292, 8.4207** is the 20% darker color. If you saturate the color by 10%, you get **15.5479, 24.5286, 21.9403**, and if you desaturate by 10%, it is **17.6348, 25.5425, 24.8399**.

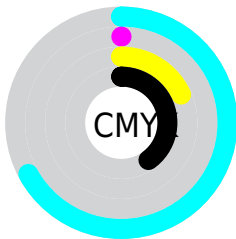
Distribution



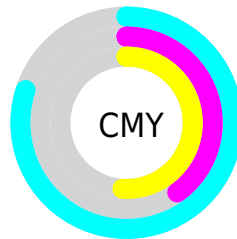
- Red (20%)
- Green (60%)
- Blue (49%)



- Red (20%)
- Yellow (43%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)



- Cyan (80%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4581, 24.9669, 23.3537 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 16.4581, 24.9669, 23.3537 by changing the saturation by 10% instead.

■ 16.4581, 24.9669,
23.3537

■ 16.4581, 24.9669,
23.3537

225.2475,
277.6731, 282.7171

■ 9.9418, 16.0524,
14.6471

■ 36.9427, 51.6035,
49.9040

■ 5.4224, 9.5612,
8.4283

■ 51.6418, 70.0944,
68.5848

■ 2.5344, 5.1090,
4.2785

■ 69.7991, 92.5463,
91.4274

■ 0.9126, 2.3114,
1.7793

■ 91.7801, 119.3434,
118.8505

■ 0.0000, 0.7797,
0.4143

■ 117.9501,
150.8703, 151.2724

■ 0.0000, 0.0000,
0.0000

148.6744,

187.5112, 189.1118

184.3184,
229.6507, 232.7872

■ 16.4581, 24.9669,
23.3537

■ 16.4581, 24.9669,
23.3537

■ 15.5479, 24.5286,
21.9403

■ 17.6348, 25.5425,
24.8399

■ 14.8759, 24.2113,
20.5960

■ 19.0984, 26.2640,
26.3990

■ 14.4025, 23.9950,
19.3188

■ 20.8698, 27.1429,
28.0331

■ 14.2609, 23.9310,
18.9064

■ 22.9674, 28.1885,
29.7439

■ 25.4079, 29.4095,
31.5327

■ 28.2069, 30.8141,
33.4010

■ 31.3792, 32.4096,
35.3500

■ 34.9386, 34.2032,
37.3812

■ 38.8982, 36.2018,
39.4957

Harmonies

Analogous

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



17.9076, 24.9669, 14.6460



16.4581, 24.9669, 23.3537



16.7674, 24.9669, 36.2601

Triad

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



16.4581, 24.9669, 23.3537



26.7175, 24.9669, 56.1206



29.4405, 24.9669, 12.7064

Complementary

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



16.4581, 24.9669, 23.3537



15.7327, 9.7050, 8.4420

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.



32.3949, 24.9669, 19.7660



16.4581, 24.9669, 23.3537



30.6953, 24.9669, 45.3844

Square

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



16.4581, 24.9669, 23.3537



22.3519, 24.9669, 57.9618



32.8800, 24.9669, 31.4133



25.1642, 24.9669, 9.8502

Rectangle

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



16.4581, 24.9669, 23.3537



17.9449, 24.9669, 45.6008



32.8800, 24.9669, 31.4133



30.6420, 24.9669, 14.5446

Sweetspot

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



16.4588, 24.9679, 23.3543



43.7972, 51.8140, 55.2581



15.2893, 24.7236, 7.0986



9.4232, 11.3171, 12.0199



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.



16.4588, 24.9679, 23.3543



27.2017, 43.6214, 38.0925



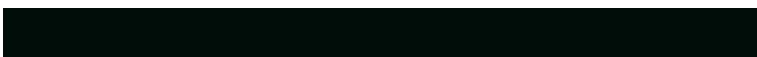
15.2186, 19.2103, 33.0439



6.3122, 6.9976, 7.5674



11.8005, 19.7836, 15.7016



0.1914, 0.3018, 0.3138

Inverse Universe

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



15.7327, 9.7050, 8.4420



25.8573, 14.2629, 9.6677



16.1243, 11.7902, 4.5582



6.2750, 6.2492, 6.8283



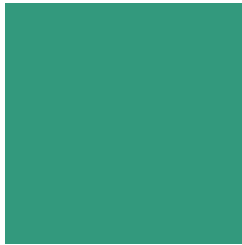
11.2154, 5.7404, 2.3934



0.1815, 0.0913, 0.1086

Previews

White Background



This preview shows how the XYZ color 16.4581, 24.9669, 23.3537 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 16.4581, 24.9669, 23.3537 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 16.4581, 24.9669, 23.3537

Background



This preview shows how black text looks on a background with the XYZ color 16.4581, 24.9669, 23.3537.



This preview shows how white text looks on a background with the XYZ color 16.4581, 24.9669,

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

16.4581, 24.9669, 23.3537

Protanopia

23.2842, 24.7089, 20.0651

Deuteranopia

24.9081, 24.4236, 24.5205



Tritanopia

19.1818, 24.8761, 37.0483

Trichromacy



Original Color

16.4581, 24.9669, 23.3537

Protanomaly

19.4332, 23.9929, 21.0596

Deuteranomaly

20.1991, 23.6686, 23.9260

Tritanomaly

18.0973, 24.9114, 31.4583

Monochromacy



Original Color

16.4581, 24.9669, 23.3537

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.1836, 19.9928, 21.0952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4581, 24.9669, 23.3537 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(51, 153, 125)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 125)  
}
```

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(51, 153, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.4581, 24.9669, 23.3537 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(51, 153, 125) }
```


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

```
.border{ border-color:rgb(51, 153, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 125);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4581, 24.9669, 23.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 125) }
```

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

```
.background{ background-color: rgb(51, 153,  
125) }
```

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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