

Converting Colors

XYZ(16.4695, 23.0184, 25.6741)

Have a look what the booklet for
XYZ(16.4695, 23.0184, 25.6741)
contains.

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Color

**XYZ(16.4734, 23.0342,
25.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	409185
RGB	64, 145, 133
RGB Percent	25%, 57%, 52%
CMY	0.7490, 0.4314, 0.4784
CMYK	0.56, 0.00, 0.08, 0.43
HSL	171°, 39%, 41%
HSV	171°, 56%, 57%
XYZ	16.4734, 23.0342, 25.7681
YIQ	119.4130, -44.4240, -20.9040

Conversions

Conversions Part 2

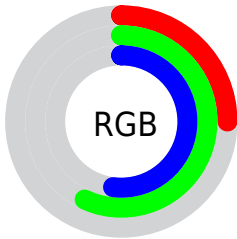
Format	Color
R _Y B	64, 108, 145
Decimal	4231557
CIE Lab	55.11, -27.72, -1.11
CIE LCh	55, 27.747, 182.294
Yxy	23.0342, 0.2524, 0.3529
Android (android.graphics.Color)	4282421637 (0xFF409185)
YUV	119.4130, 6.6984, -48.5972
Hunter-Lab	47.9940, -22.7213, 1.7628

Details

The XYZ color **16.4734, 23.0342, 25.7681** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.8158, 10.2090, 8.0281**, and the grayscale version is **17.6556, 18.5751, 20.2283**.

A 20% lighter version of the original color is **36.8941, 48.3140, 53.8354**, and **5.6029, 8.6455, 9.7609** is the 20% darker color. If you saturate the color by 10%, you get **15.5035, 22.5518, 24.9562**, and if you desaturate by 10%, it is **17.6928, 23.6461, 26.6085**.

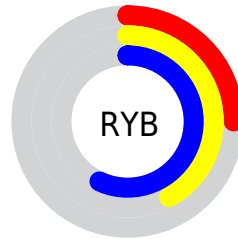
Distribution



Red (25%)

Green (57%)

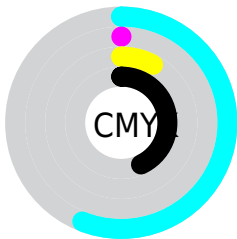
Blue (52%)



Red (25%)

Yellow (42%)

Blue (57%)

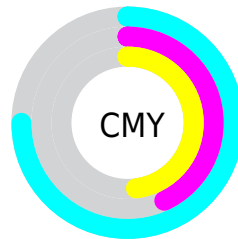


Cyan (56%)

Magenta (0%)

Yellow (8%)

Black (43%)



Cyan (75%)

Magenta (43%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4734, 23.0342, 25.7681 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 16.4734, 23.0342, 25.7681 by changing the saturation by 10% instead.

■ 16.4734, 23.0342,
25.7681

■ 16.4734, 23.0342,
25.7681

225.3351,
267.9006, 295.2110

■ 9.9527, 14.6188,
16.4260

■ 36.9690, 48.4495,
53.8801

■ 5.4297, 8.5523,
9.6685

■ 51.6746, 66.2181,
73.4871

■ 2.5388, 4.4503,
5.0770

■ 69.8392, 87.8733,
97.3528

■ 0.9149, 1.9285,
2.2330

■ 91.8282, 113.7993,
125.8957

■ 0.0000, 0.5654,
0.6933

■ 118.0069,
144.3807, 159.5345

■ 0.0000, 0.0000,
0.0000

148.7407,

180.0018, 198.6876

184.3950,
221.0469, 243.7736

■ 16.4734, 23.0342,
25.7681

■ 16.4734, 23.0342,
25.7681

■ 15.5035, 22.5518,
24.9562

■ 17.6928, 23.6461,
26.6085

■ 14.7618, 22.1860,
24.1702

■ 19.1772, 24.3936,
27.4768

■ 14.2265, 21.9263,
23.4096

■ 20.9429, 25.2858,
28.3743

■ 13.8648, 21.7558,
22.6727

■ 23.0046, 26.3303,
29.3018

■ 13.7334, 21.6946,
22.3730

■ 25.3757, 27.5339,
30.2599

■ 28.0691, 28.9033,
31.2495

■ 31.0966, 30.4445,
32.2711

■ 34.4697, 32.1636,
33.3253

■ 38.1991, 34.0659,
34.4128

Harmonies

Analogous

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



17.0398, 23.0342, 17.9670



16.4734, 23.0342, 25.7681



17.2420, 23.0342, 35.3224

Triad

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



16.4734, 23.0342, 25.7681



25.2261, 23.0342, 42.4044



24.7758, 23.0342, 12.8232

Complementary

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



16.4734, 23.0342, 25.7681



14.8158, 10.2090, 8.0281

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.



27.3139, 23.0342, 17.0383



16.4734, 23.0342, 25.7681



27.5907, 23.0342, 33.8598

Square

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



16.4734, 23.0342, 25.7681



22.1322, 23.0342, 46.2330



28.3880, 23.0342, 24.4049



21.6562, 23.0342, 11.6231

Rectangle

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



16.4734, 23.0342, 25.7681



18.4544, 23.0342, 41.1089



28.3880, 23.0342, 24.4049



25.7350, 23.0342, 13.8763

Sweetspot

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



16.4741, 23.0351, 25.7686



40.6101, 46.8548, 52.2218



14.0440, 22.1645, 8.3890



8.8856, 10.3480, 11.5524



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.4741, 23.0351, 25.7686



27.3894, 40.2002, 44.3300



13.5465, 15.7763, 29.1201



5.5264, 6.1028, 6.7378



11.7867, 18.6105, 19.2285



0.1187, 0.1803, 0.2157

Inverse Universe

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



14.8158, 10.2090, 8.0281



24.1346, 14.8494, 9.3794



16.4608, 14.1058, 6.7062



5.4394, 5.4363, 5.8121



10.1423, 5.2139, 1.1348



0.1020, 0.0518, 0.0372

Previews

White Background



This preview shows how the XYZ color 16.4734, 23.0342, 25.7681 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 16.4734, 23.0342, 25.7681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

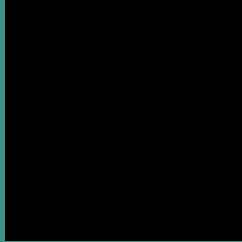
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4734, 23.0342, 25.7681

Background



This preview shows how black text looks on a background with the XYZ color 16.4734, 23.0342, 25.7681.

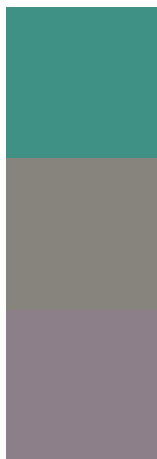


This preview shows how white text looks on a background with the XYZ color 16.4734, 23.0342,

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

16.4734, 23.0342, 25.7681

Protanopia

21.8096, 22.8642, 22.6658

Deuteranopia

23.0892, 22.6476, 26.8214



Tritanopia

18.0213, 22.9855, 33.6238

Trichromacy



Original Color

16.4734, 23.0342, 25.7681

Protanomaly

19.0071, 22.4180, 23.7474

Deuteranomaly

19.7791, 22.3385, 26.5618

Tritanomaly

17.3947, 22.9492, 30.7070

Monochromacy



Original Color

16.4734, 23.0342, 25.7681

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5029, 19.5462, 21.9718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4734, 23.0342, 25.7681 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(64, 145, 133)` looks like.

```
.text, #text, p{  
  color:rgb(64, 145, 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(64, 145, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 145, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.4734, 23.0342, 25.7681 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(64, 145, 133) }
```


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

```
.border{ border-color:rgb(64, 145, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 145, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 145, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 145, 133);  
box-shadow:4px 4px 4px 4px rgb(64, 145,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4734, 23.0342, 25.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 145, 133) }
```

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

```
.background{ background-color: rgb(64, 145,  
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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