

Converting Colors

XYZ(23.2044, 31.4376, 27.5137)

Have a look what the booklet for
XYZ(23.2044, 31.4376, 27.5137)
contains.

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Color

**XYZ(23.2377, 31.4563,
27.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	66A586
RGB	102, 165, 134
RGB Percent	40%, 65%, 53%
CMY	0.6000, 0.3529, 0.4745
CMYK	0.38, 0.00, 0.19, 0.35
HSL	150°, 26%, 52%
HSV	150°, 38%, 65%
XYZ	23.2377, 31.4563, 27.4012
YIQ	142.6290, -27.5970, -22.9970

Conversions

Conversions Part 2

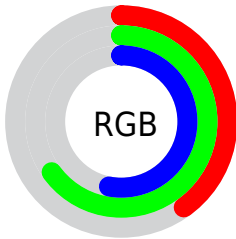
Format	Color
RYB	102, 144, 165
Decimal	6727046
CIELab	62.89, -27.40, 9.75
CIELCh	63, 29.082, 160.414
Yxy	31.4563, 0.2831, 0.3832
Android (android.graphics.Color)	4284917126 (0xFF66A586)
YUV	142.6290, -4.2541, -35.6316
Hunter-Lab	56.0859, -24.1937, 10.2936

Details

The XYZ color **23.2377, 31.4563, 27.4012** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5031, 19.1963, 24.6053**, and the grayscale version is **25.9856, 27.3388, 29.7720**.

A 20% lighter version of the original color is **48.0804, 61.7428, 56.3972**, and **8.8208, 13.1285, 10.4566** is the 20% darker color. If you saturate the color by 10%, you get **21.0060, 30.3696, 24.4536**, and if you desaturate by 10%, it is **25.8868, 32.7549, 30.5967**.

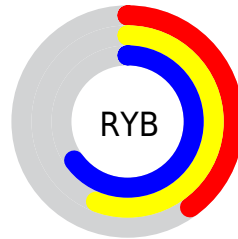
Distribution



Red (40%)

Green (65%)

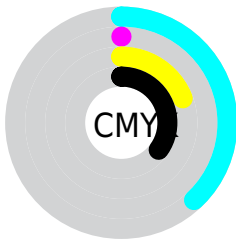
Blue (53%)



Red (40%)

Yellow (56%)

Blue (65%)

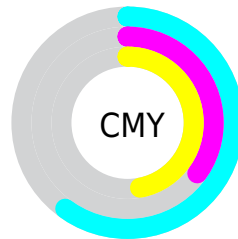


Cyan (38%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (60%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2377, 31.4563, 27.4012 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 23.2377, 31.4563, 27.4012 by changing the saturation by 10% instead.


 23.2377, 31.4563,
27.4012


 23.2377, 31.4563,
27.4012

261.4561,
308.6350, 303.4158


 14.8908, 20.9466,
17.6397


 48.2471, 61.9578,
56.5385


 8.8286, 13.0849,
10.5248

 65.6403, 82.7183,
76.7514

 4.6858, 7.4871,
5.6382


 86.7797, 107.6645,
101.2852

 2.0969, 3.7685,
2.5611

 112.0306,
137.1808, 130.5583

 0.6875, 1.5449,
0.8723

141.7583,
171.6516, 164.9894

 0.0000, 0.3200,
0.0000

176.3282,

 0.0000, 0.0000,

211.4613, 204.9970

0.0000

216.1057,
256.9943, 250.9997

■ 23.2377, 31.4563,
27.4012

■ 23.2377, 31.4563,
27.4012

■ 21.0060, 30.3696,
24.4536

■ 25.8868, 32.7549,
30.5967

■ 19.1659, 29.4791,
21.7455

■ 28.9721, 34.2723,
34.0440

■ 17.6929, 28.7729,
19.2714


■ 32.5143, 36.0200,
37.7492


■ 16.5580, 28.2364,
17.0243


■ 36.5318, 38.0074,
41.7181


■ 15.7279, 27.8525,
14.9972


■ 41.0421, 40.2434,
45.9557


 15.1443, 27.5912,
13.1812

 46.0620, 42.7366,
50.4674

 15.0485, 27.5486,
12.8726

 51.6071, 45.4949,
55.2580

 57.6926, 48.5261,
60.3324

 64.3329, 51.8375,
65.6955

Harmonies

Analogous

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



25.1957, 31.4563, 20.0987



23.2377, 31.4563, 27.4012



22.9704, 31.4563, 38.3773

Triad

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



23.2377, 31.4563, 27.4012



31.3065, 31.4563, 60.7206



36.1275, 31.4563, 21.8906

Complementary

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



23.2377, 31.4563, 27.4012



24.5031, 19.1963, 24.6053

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.



38.0955, 31.4563, 30.4308



23.2377, 31.4563, 27.4012



35.1524, 31.4563, 53.8485

Square

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



23.2377, 31.4563, 27.4012



27.3998, 31.4563, 59.3984



37.7235, 31.4563, 42.1556



32.5442, 31.4563, 17.4417

Rectangle

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



23.2377, 31.4563, 27.4012



23.7587, 31.4563, 46.6199



37.7235, 31.4563, 42.1556



37.0137, 31.4563, 24.2890

Sweetspot

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



23.2386, 31.4576, 27.4019



56.2247, 63.5169, 65.5505



25.6064, 32.8983, 17.5712



12.1126, 13.7976, 14.1446



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.2386, 31.4576, 27.4019



38.1124, 54.6274, 44.4747



25.7272, 32.4530, 40.5070



7.1286, 7.9523, 8.2891



11.4092, 20.8500, 9.8711



0.2636, 0.4476, 0.3329

Inverse Universe

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



24.5031, 19.1963, 24.6053



40.7119, 29.4265, 38.7288



22.6676, 18.4620, 14.9396



7.2122, 7.1413, 8.1041



12.8930, 6.5133, 6.6274



0.2948, 0.1464, 0.2650

Previews

White Background



This preview shows how the XYZ color 23.2377, 31.4563, 27.4012 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.2377, 31.4563, 27.4012 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 ✓ Pass

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

XYZ 23.2377, 31.4563, 27.4012

Background



This preview shows how black text looks on a background with the XYZ color 23.2377, 31.4563, 27.4012.



This preview shows how white text looks on a background with the XYZ color 23.2377, 31.4563,

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

23.2377, 31.4563, 27.4012

Protanopia

29.3946, 31.1391, 24.5399

Deuteranopia

31.6609, 31.0507, 28.3694



Tritanopia

26.6692, 31.5382, 44.2170

Trichromacy



Original Color

23.2377, 31.4563, 27.4012

Protanomaly

26.5652, 30.8776, 25.6789

Deuteranomaly

27.7606, 30.6996, 28.1294

Tritanomaly

25.3627, 31.5320, 37.5504

Monochromacy



Original Color

23.2377, 31.4563, 27.4012

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.7023, 28.6159, 29.0324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2377, 31.4563, 27.4012 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(102, 165, 134)` looks like.

```
.text, #text, p{  
    color:rgb(102, 165, 134)  
}
```

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(102, 165, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 165, 134) }
```

Border

The CSS property to change the border of an element to XYZ 23.2377, 31.4563, 27.4012 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(102, 165, 134) }
```


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

```
.border{ border-color:rgb(102, 165, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 165, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 165, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 165, 134);  
box-shadow:4px 4px 4px 4px rgb(102, 165,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2377, 31.4563, 27.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 165, 134) }
```

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

```
.background{ background-color: rgb(102,  
165, 134) }
```

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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