

Converting Colors

XYZ(23.5829, 30.5639, 22.4794)

Have a look what the booklet for
XYZ(23.5829, 30.5639, 22.4794)
contains.

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Color

**XYZ(23.6062, 30.6974,
22.4503)**

Conversions

Conversions Part 1

Format	Color
Hex	76A178
RGB	118, 161, 120
RGB Percent	46%, 63%, 47%
CMY	0.5373, 0.3686, 0.5294
CMYK	0.27, 0.00, 0.25, 0.37
HSL	123°, 19%, 55%
HSV	123°, 27%, 63%
XYZ	23.6062, 30.6974, 22.4503
YIQ	143.4690, -12.4670, -21.8670

Conversions

Conversions Part 2

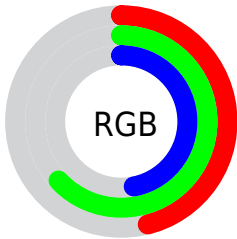
Format	Color
RYB	118, 159, 161
Decimal	7774584
CIELab	62.25, -23.00, 16.76
CIElCh	62, 28.459, 143.916
Yxy	30.6974, 0.3076, 0.3999
Android (android.graphics.Color)	4285964664 (0xFF76A178)
YUV	143.4690, -11.5702, -22.3363
Hunter-Lab	55.4052, -20.9067, 14.7593

Details

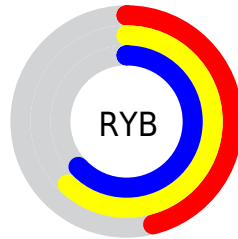
The XYZ color **23.6062, 30.6974, 22.4503** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.4354, 23.0377, 35.8027**, and the grayscale version is **26.3451, 27.7171, 30.1839**.

A 20% lighter version of the original color is **48.7968, 60.7482, 48.1834**, and **8.9899, 12.6212, 7.9235** is the 20% darker color. If you saturate the color by 10%, you get **20.7455, 29.3227, 17.8370**, and if you desaturate by 10%, it is **26.9911, 32.3269, 27.8692**.

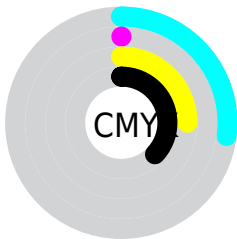
Distribution



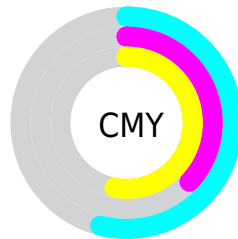
- Red (46%)
- Green (63%)
- Blue (47%)



- Red (46%)
- Yellow (62%)
- Blue (63%)



- Cyan (27%)
- Magenta (0%)
- Yellow (25%)
- Black (37%)



- Cyan (54%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6062, 30.6974, 22.4503 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 23.6062, 30.6974, 22.4503 by changing the saturation by 10% instead.

■ 23.6062, 30.6974,
22.4503

■ 23.6062, 30.6974,
22.4503

263.3010,
305.1418, 277.9187

■ 15.1649, 20.3685,
13.9867

■ 48.8462, 60.7633,
48.4008

■ 9.0223, 12.6632,
7.9728

■ 66.3756, 81.2692,
66.7248

■ 4.8129, 7.1970,
3.9900

■ 87.6650, 105.9362,
89.1726

■ 2.1716, 3.5856,
1.6199

113.0800,
135.1487, 116.1629

■ 0.7277, 1.4446,
0.3049

142.9857,
169.2911, 148.1141

■ 0.0000, 0.2492,
0.0000

177.7475,

■ 0.0000, 0.0000,

208.7479, 185.4448

0.0000

217.7308,
253.9033, 228.5735

■ 23.6062, 30.6974,
22.4503

■ 23.6062, 30.6974,
22.4503

■ 20.7455, 29.3227,
17.8370

■ 26.9911, 32.3269,
27.8692

■ 18.3806, 28.1863,
13.9889

■ 30.9221, 34.2189,
34.1273

■ 16.4839, 27.2757,
10.8653

■ 35.4226, 36.3858,
41.2589

■ 15.0244, 26.5758,
8.4209

■ 40.5141, 38.8380,
49.2959

■ 13.9670, 26.0699,
6.6051

■ 46.2170, 41.5852,
58.2683

■ 13.2716, 25.7382,
5.3605

■ 52.5505, 44.6369,
68.2049

■ 12.8816, 25.5531,
4.6188

■ 59.5333, 48.0020,
79.1334

■ 12.7866, 25.5075,
4.4647

■ 67.1829, 51.6890,
91.0800

■ 72.0355, 53.9710,
101.2285

Harmonies

Analogous

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



26.2842, 30.6974, 17.5777



23.6062, 30.6974, 22.4503



22.4321, 30.6974, 31.2321

Triad

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



23.6062, 30.6974, 22.4503



28.4011, 30.6974, 59.1761



36.4624, 30.6974, 25.5621

Complementary

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



23.6062, 30.6974, 22.4503



27.4354, 23.0377, 35.8027

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.



37.1541, 30.6974, 35.7167



23.6062, 30.6974, 22.4503



32.2745, 30.6974, 56.7274

Square

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



23.6062, 30.6974, 22.4503



25.0397, 30.6974, 53.5970



35.5617, 30.6974, 47.4936



33.7465, 30.6974, 19.0792

Rectangle

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



23.6062, 30.6974, 22.4503



22.5794, 30.6974, 38.7733



35.5617, 30.6974, 47.4936



36.9487, 30.6974, 28.5913

Sweetspot

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



23.6070, 30.6987, 22.4510



54.3000, 60.7621, 59.4065



30.4270, 34.2284, 22.1427



11.6783, 13.2151, 12.6623



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.



23.6070, 30.6987, 22.4510



39.1468, 53.4711, 35.1680



25.0197, 31.2638, 29.8899



6.9983, 7.9001, 7.6028



10.2160, 20.3728, 3.5881



0.2184, 0.4296, 0.0953

Inverse Universe

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



27.4354, 23.0377, 35.8027



47.1627, 37.4275, 63.1222



25.7696, 22.3713, 27.0307



7.3500, 7.1965, 8.8296



16.3688, 7.9036, 24.9306



0.3480, 0.1677, 0.5451

Previews

White Background



This preview shows how the XYZ color 23.6062, 30.6974, 22.4503 looks on a white background.

Color Contrast Check

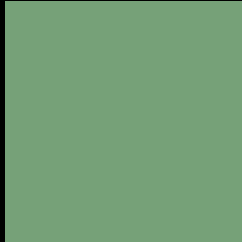
Large Text (above 18pt) WCAG AA × Fail

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 23.6062, 30.6974, 22.4503 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 23.6062, 30.6974, 22.4503

Background



This preview shows how black text looks on a background with the XYZ color 23.6062, 30.6974, 22.4503.



This preview shows how white text looks on a background with the XYZ color 23.6062, 30.6974,

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

23.6062, 30.6974, 22.4503

Protanopia

28.4981, 30.5241, 20.6094

Deuteranopia

31.0669, 30.4004, 23.2992



Tritanopia

27.3006, 30.6683, 41.0399

Trichromacy



Original Color

23.6062, 30.6974, 22.4503

Protanomaly

26.4435, 30.4153, 21.3066

Deuteranomaly

27.8079, 30.1128, 23.0856

Tritanomaly

25.7304, 30.5269, 33.3903

Monochromacy



Original Color

23.6062, 30.6974, 22.4503

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.1110, 28.6303, 27.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6062, 30.6974, 22.4503 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(118, 161, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 120)  
}
```

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(118, 161, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 120) }
```

Border

The CSS property to change the border of an element to XYZ 23.6062, 30.6974, 22.4503 is called "border". The border property can be set on classes, ids or directly on the HTML element.

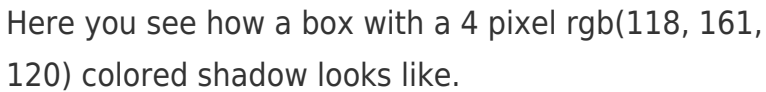
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 161, 120) }
```


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

```
.border{ border-color:rgb(118, 161, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 161, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 161, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 161, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 161,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6062, 30.6974, 22.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 120) }
```

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

```
.background{ background-color: rgb(118,  
161, 120) }
```

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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