

Converting Colors

XYZ(22.2987, 27.8651, 23.1438)

Have a look what the booklet for
XYZ(22.2987, 27.8651, 23.1438)
contains.

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Color

**XYZ(22.2024, 27.6936,
23.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	75987C
RGB	117, 152, 124
RGB Percent	46%, 60%, 49%
CMY	0.5412, 0.4039, 0.5137
CMYK	0.23, 0.00, 0.18, 0.40
HSL	132°, 15%, 53%
HSV	132°, 23%, 60%
XYZ	22.2024, 27.6936, 23.2440
YIQ	138.3430, -11.8720, -16.1280

Conversions

Conversions Part 2

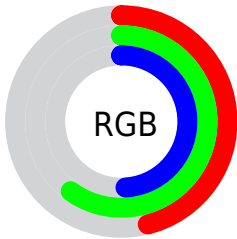
Format	Color
RYB	117, 146, 152
Decimal	7706748
CIELab	59.61, -17.98, 10.83
CIElCh	60, 20.987, 148.925
Yxy	27.6936, 0.3036, 0.3786
Android (android.graphics.Color)	4285896828 (0xFF75987C)
YUV	138.3430, -7.0711, -18.7178
Hunter-Lab	52.6247, -16.7840, 10.6493

Details

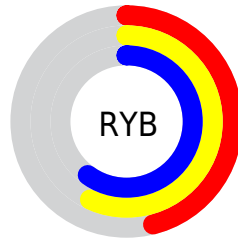
The XYZ color **22.2024, 27.6936, 23.2440** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.4219, 21.4429, 29.6408**, and the grayscale version is **24.3185, 25.5850, 27.8620**.

A 20% lighter version of the original color is **46.5847, 55.8630, 49.9223**, and **8.3076, 11.0443, 8.3505** is the 20% darker color. If you saturate the color by 10%, you get **19.6014, 26.4370, 19.3526**, and if you desaturate by 10%, it is **25.2314, 29.1615, 27.6517**.

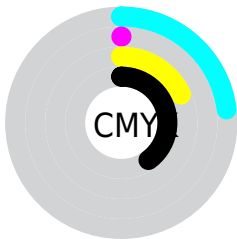
Distribution



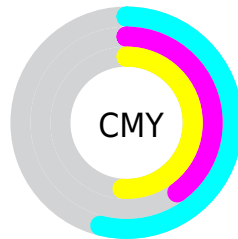
- Red (46%)
- Green (60%)
- Blue (49%)



- Red (46%)
- Yellow (57%)
- Blue (60%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)



- Cyan (54%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2024, 27.6936, 23.2440 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 22.2024, 27.6936, 23.2440 by changing the saturation by 10% instead.

■ 22.2024, 27.6936,
23.2440

■ 22.2024, 27.6936,
23.2440

256.2140,
290.9999, 282.1382

■ 14.1231, 18.0948,
14.5668

■ 46.5567, 55.9949,
49.7219

■ 8.2886, 11.0181,
8.3727

■ 63.5624, 75.4662,
68.3597

■ 4.3335, 6.0790,
4.2432

■ 84.2743, 98.9971,
91.1548

■ 1.8925, 2.8932,
1.7597

109.0577,
126.9720, 118.5257

■ 0.5725, 1.0762,
0.4011

138.2780,
159.7754, 150.8909

■ 0.0000, 0.0000,
0.0000

172.3006,

197.7916, 188.6691

211.4908,
241.4049, 232.2786

■ 22.2024, 27.6936,
23.2440

■ 22.2024, 27.6936,
23.2440

■ 19.6014, 26.4370,
19.3526

■ 25.2314, 29.1615,
27.6517

■ 17.4068, 25.3785,
15.9569

■ 28.7043, 30.8461,
32.5917

■ 15.5984, 24.5090,
13.0374

■ 32.6390, 32.7571,
38.0816

■ 14.1532, 23.8170,
10.5727

■ 37.0517, 34.9024,
44.1378

■ 13.0460, 23.2901,
8.5399

■ 41.9578, 37.2897,
50.7758

■ 12.2481, 22.9139,
6.9139

■ 47.3719, 39.9263,
58.0105

■ 11.7258, 22.6717,
5.6671

■ 53.3083, 42.8191,
65.8565

■ 11.4683, 22.5534,
5.0041

■ 59.7804, 45.9748,
74.3276

■ 66.8013, 49.3999,
83.4373

Harmonies

Analogous

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



23.9383, 27.6936, 19.1188



22.2024, 27.6936, 23.2440



21.5581, 27.6936, 29.8813

Triad

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



22.2024, 27.6936, 23.2440



26.2267, 27.6936, 47.1838



31.0282, 27.6936, 23.6441

Complementary

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



22.2024, 27.6936, 23.2440



24.4219, 21.4429, 29.6408

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.



31.7405, 27.6936, 30.4276



22.2024, 27.6936, 23.2440



28.8588, 27.6936, 44.7806

Square

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



22.2024, 27.6936, 23.2440



23.7835, 27.6936, 44.4259



30.9219, 27.6936, 38.3125



29.0348, 27.6936, 19.3211

Rectangle

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



22.2024, 27.6936, 23.2440



21.7988, 27.6936, 35.1279



30.9219, 27.6936, 38.3125



31.4311, 27.6936, 25.6726

Sweetspot

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



22.2031, 27.6948, 23.2446



48.0481, 53.1747, 53.8267



26.1172, 29.7619, 21.1979



10.8474, 12.0503, 12.1300



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.



22.2031, 27.6948, 23.2446



36.5645, 47.6124, 37.1269



23.4102, 28.1776, 29.6008



6.1802, 6.9448, 6.8722



9.6249, 18.9134, 4.2452



0.1547, 0.2871, 0.1205

Inverse Universe

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



24.4219, 21.4429, 29.6408



41.2303, 34.4602, 50.5736



23.1744, 20.9439, 23.0716



6.4083, 6.3025, 7.5300



13.7931, 6.7715, 15.9675



0.2182, 0.1060, 0.3019

Previews

White Background



This preview shows how the XYZ color 22.2024, 27.6936, 23.2440 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 22.2024, 27.6936, 23.2440 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 22.2024, 27.6936, 23.2440

Background



This preview shows how black text looks on a background with the XYZ color 22.2024, 27.6936, 23.2440.



This preview shows how white text looks on a background with the XYZ color 22.2024, 27.6936,

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

22.2024, 27.6936, 23.2440

Protanopia

25.9147, 27.5561, 21.4058

Deuteranopia

28.0235, 27.4958, 23.9089



Tritanopia

24.8601, 27.5816, 36.8144

Trichromacy



Original Color

22.2024, 27.6936, 23.2440

Protanomaly

24.3775, 27.4272, 22.0983

Deuteranomaly

25.4424, 27.2623, 23.6598

Tritanomaly

23.8209, 27.6352, 31.2728

Monochromacy



Original Color

22.2024, 27.6936, 23.2440

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2620, 26.0842, 25.9990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2024, 27.6936, 23.2440 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(117, 152, 124)` looks like.

```
.text, #text, p{  
    color:rgb(117, 152, 124)  
}
```

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(117, 152, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 152, 124) }
```

Border

The CSS property to change the border of an element to XYZ 22.2024, 27.6936, 23.2440 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(117, 152, 124) }
```


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

```
.border{ border-color:rgb(117, 152, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 152, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 152, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 152, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 152,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2024, 27.6936, 23.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 152, 124) }
```

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

```
.background{ background-color: rgb(117,  
152, 124) }
```

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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