

Converting Colors

XYZ(24.2129, 29.0222, 21.1556)

Have a look what the booklet for
XYZ(24.2129, 29.0222, 21.1556)
contains.

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Color

**XYZ(24.2750, 29.0534,
21.1581)**

Conversions

Conversions Part 1

Format	Color
Hex	859975
RGB	133, 153, 117
RGB Percent	52%, 60%, 46%
CMY	0.4784, 0.4000, 0.5412
CMYK	0.13, 0.00, 0.24, 0.40
HSL	93°, 15%, 53%
HSV	93°, 24%, 60%
XYZ	24.2750, 29.0534, 21.1581
YIQ	142.9160, -0.3640, -15.4360

Conversions

Conversions Part 2

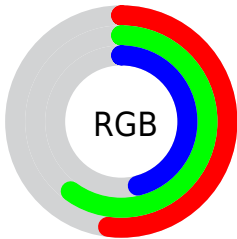
Format	Color
RYB	117, 153, 137
Decimal	8755573
CIELab	60.83, -13.93, 16.62
CIElCh	61, 21.684, 129.960
Yxy	29.0534, 0.3259, 0.3900
Android (android.graphics.Color)	4286945653 (0xFF859975)
YUV	142.9160, -12.7766, -8.6963
Hunter-Lab	53.9012, -13.9377, 14.4575

Details

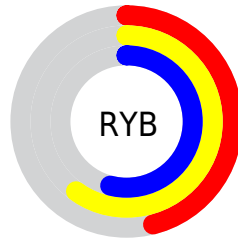
The XYZ color $[24.2750, 29.0534, 21.1581]$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $[22.4288, 20.3417, 32.8828]$, and the grayscale version is $[26.1250, 27.4856, 29.9318]$.

A 20% lighter version of the original color is $[49.7240, 57.9293, 46.0969]$, and $[9.3928, 11.7714, 7.4073]$ is the 20% darker color. If you saturate the color by 10%, you get $[22.1599, 28.0595, 16.7409]$, and if you desaturate by 10%, it is $[26.6474, 30.1647, 26.3562]$.

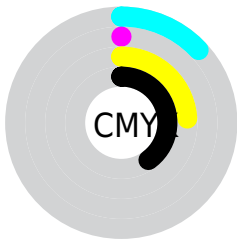
Distribution



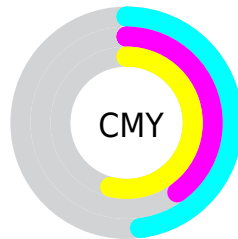
- Red (52%)
- Green (60%)
- Blue (46%)



- Red (46%)
- Yellow (60%)
- Blue (54%)



- Cyan (13%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)



- Cyan (48%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2750, 29.0534, 21.1581 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 24.2750, 29.0534, 21.1581 by changing the saturation by 10% instead.

■ 24.2750, 29.0534,
21.1581

■ 24.2750, 29.0534,
21.1581

266.6226,
297.4668, 270.9261

■ 15.6636, 19.1212,
13.0472

■ 49.9300, 58.1619,
46.2347

■ 9.3757, 11.7579,
7.3300

■ 67.7043, 78.1070,
64.0375

■ 5.0461, 6.5790,
3.5878

■ 89.2636, 102.1586,
85.9081

■ 2.3094, 3.2003,
1.4020

114.9733,
130.7010, 112.2650

■ 0.7995, 1.2372,
0.1433

145.1986,
164.1186, 143.5267

■ 0.0000, 0.0917,
0.0000

180.3051,

■ 0.0000, 0.0000,

202.7959, 180.1117

0.0000

220.6579,
247.1172, 222.4387

■ 24.2750, 29.0534,
21.1581

■ 24.2750, 29.0534,
21.1581

■ 22.1599, 28.0595,
16.7409

■ 26.6474, 30.1647,
26.3562

■ 20.2900, 27.1749,
13.0649

■ 29.2839, 31.3935,
32.3683

■ 18.6558, 26.3966,
10.0899

■ 32.1938, 32.7448,
39.2282

■ 17.2460, 25.7197,
7.7712

■ 35.3855, 34.2222,
46.9670

■ 16.0482, 25.1389,
6.0588

■ 38.8667, 35.8290,
55.6142

■ 15.0486, 24.6483,
4.8955

■ 42.6450, 37.5686,
65.1981

■ 14.2312, 24.2412,
4.2132

■ 46.7276, 39.4440,
75.7457

■ 13.7753, 24.0124,
3.9088

■ 51.1215, 41.4584,
87.2829

■ 55.8334, 43.6145,
99.8345

Harmonies

Analogous

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



26.6868, 29.0534, 18.6675



24.2750, 29.0534, 21.1581



22.8254, 29.0534, 26.6036

Triad

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



24.2750, 29.0534, 21.1581



25.7969, 29.0534, 48.5883



33.3091, 29.0534, 29.0227

Complementary

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



24.2750, 29.0534, 21.1581



22.4288, 20.3417, 32.8828

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.



33.0303, 29.0534, 37.2621



24.2750, 29.0534, 21.1581



28.5632, 29.0534, 49.5349

Square

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



24.2750, 29.0534, 21.1581



23.6617, 29.0534, 42.6974



31.2468, 29.0534, 45.0985



31.9844, 29.0534, 22.6690

Rectangle

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



24.2750, 29.0534, 21.1581



22.5374, 29.0534, 31.6233



31.2468, 29.0534, 45.0985



33.4018, 29.0534, 31.6452

Sweetspot

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



24.2758, 29.0547, 21.1587



50.6821, 55.4003, 53.9083



25.2662, 25.8923, 20.4961



11.1367, 12.2076, 11.7790



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.



24.2758, 29.0547, 21.1587



41.5134, 51.1104, 33.7466



22.0460, 27.8928, 21.6123



6.3797, 7.0532, 6.6310



11.4217, 19.8640, 3.2321



0.2117, 0.3181, 0.0502

Inverse Universe

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



22.4288, 20.3417, 32.8828



37.6402, 32.8423, 58.3273



25.1015, 21.7366, 32.2375



6.1961, 6.1870, 7.7966



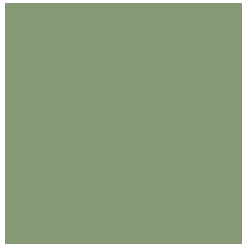
7.8878, 3.5173, 25.1709



0.1597, 0.0741, 0.3783

Previews

White Background



This preview shows how the XYZ color 24.2750, 29.0534, 21.1581 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 24.2750, 29.0534, 21.1581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

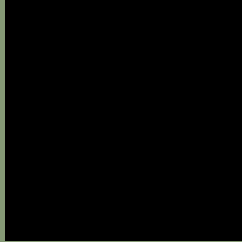
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2750, 29.0534, 21.1581

Background



This preview shows how black text looks on a background with the XYZ color 24.2750, 29.0534, 21.1581.



This preview shows how white text looks on a background with the XYZ color 24.2750, 29.0534,

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

24.2750, 29.0534, 21.1581

Protanopia

27.0264, 28.8406, 20.0619

Deuteranopia

29.4926, 28.9519, 21.8031



Tritanopia

27.3392, 28.8596, 36.9304

Trichromacy



Original Color

24.2750, 29.0534, 21.1581

Protanomaly

26.0547, 29.0286, 20.4495

Deuteranomaly

27.3598, 28.7508, 21.5602

Tritanomaly

26.0980, 28.8269, 30.5742

Monochromacy



Original Color

24.2750, 29.0534, 21.1581

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.3843, 28.0776, 26.6359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2750, 29.0534, 21.1581 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(133, 153, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 153, 117)  
}
```

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(133, 153, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 153, 117) }
```

Border

The CSS property to change the border of an element to XYZ 24.2750, 29.0534, 21.1581 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(133, 153, 117) }
```


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

```
.border{ border-color:rgb(133, 153, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 153, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 153, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 153, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 153,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2750, 29.0534, 21.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 153, 117) }
```

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

```
.background{ background-color: rgb(133,  
153, 117) }
```

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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