

Converting Colors

XYZ(27.2102, 37.3226, 48.8161)

Have a look what the booklet for
XYZ(27.2102, 37.3226, 48.8161)
contains.

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Color

**XYZ(27.2320, 37.3155,
48.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	48B4B4
RGB	72, 180, 180
RGB Percent	28%, 71%, 71%
CMY	0.7176, 0.2941, 0.2941
CMYK	0.60, 0.00, 0.00, 0.29
HSL	180°, 43%, 49%
HSV	180°, 60%, 71%
XYZ	27.2320, 37.3155, 48.9474
YIQ	147.7080, -64.3680, -22.8960

Conversions

Conversions Part 2

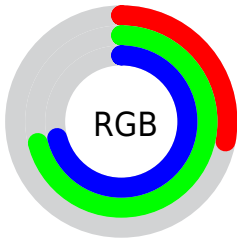
Format	Color
RYB	72, 126, 180
Decimal	4764852
CIELab	67.51, -30.35, -9.22
CIELCh	68, 31.718, 196.903
Yxy	37.3155, 0.2399, 0.3288
Android (android.graphics.Color)	4282954932 (0xFF48B4B4)
YUV	147.7080, 15.9200, -66.3959
Hunter-Lab	61.0864, -27.3269, -4.7475

Details

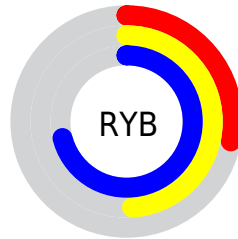
The XYZ color **27.2320, 37.3155, 48.9474** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.3107, 14.8071, 7.8144**, and the grayscale version is **27.9830, 29.4403, 32.0604**.

A 20% lighter version of the original color is **54.6515, 70.9526, 90.1717**, and **11.4201, 16.7110, 22.7023** is the 20% darker color. If you saturate the color by 10%, you get **26.0818, 36.7234, 48.8943**, and if you desaturate by 10%, it is **28.7773, 38.1130, 49.0207**.

Distribution



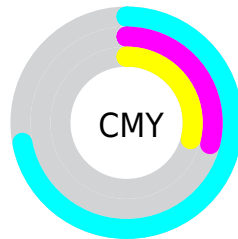
- Red (28%)
- Green (71%)
- Blue (71%)



- Red (28%)
- Yellow (49%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (72%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2320, 37.3155, 48.9474 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 27.2320, 37.3155, 48.9474 by changing the saturation by 10% instead.

■ 27.2320, 37.3155,
48.9474

■ 27.2320, 37.3155,
48.9474

280.9258,
334.6745, 399.1517

■ 17.8850, 25.4519,
34.2124

■ 54.6732, 71.0578,
89.9935

■ 10.9667, 16.4140,
22.7782

■ 73.4981, 93.7052,
117.1417

■ 6.1115, 9.8176,
14.2260

■ 96.2131, 120.7160,
149.2648

■ 2.9543, 5.2782,
8.1375

■ 123.1834,
152.4745, 186.7813

■ 1.1297, 2.4114,
4.0940

■ 154.7745,
189.3653, 230.1097

■ 0.0497, 0.8317,
1.6771

191.3517,

■ 0.0000, 0.0000,

231.7726, 279.6685

0.3449

233.2803,
280.0808, 335.8763

■ 0.0000, 0.0000,
0.0000

■ 27.2320, 37.3155,
48.9474

■ 27.2320, 37.3155,
48.9474

■ 26.0818, 36.7234,
48.8943

■ 28.7773, 38.1130,
49.0207

■ 25.2879, 36.3141,
48.8570

■ 30.7454, 39.1276,
49.1129

■ 24.8097, 36.0676,
48.8345

■ 33.1655, 40.3752,
49.2263

■ 24.5601, 35.9390,
48.8227

■ 36.0631, 41.8690,
49.3620

■ 24.5601, 35.9389,
48.8227

■ 39.4621, 43.6212,
49.5212

■ 43.3845, 45.6433,
49.7049

■ 47.8512, 47.9459,
49.9141

■ 52.8818, 50.5393,
50.1496

■ 58.4949, 53.4330,
50.4124

Harmonies

Analogous

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



27.0971, 37.3155, 34.8445



27.2320, 37.3155, 48.9474



29.4396, 37.3155, 63.5585

Triad

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



27.2320, 37.3155, 48.9474



42.7629, 37.3155, 61.8748



37.6345, 37.3155, 19.6882

Complementary

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



27.2320, 37.3155, 48.9474



22.3107, 14.8071, 7.8144

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.



42.2662, 37.3155, 24.0090



27.2320, 37.3155, 48.9474



45.4047, 37.3155, 47.0234

Square

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



27.2320, 37.3155, 48.9474



38.2635, 37.3155, 72.1153



45.2150, 37.3155, 33.3130



32.8107, 37.3155, 19.9743

Rectangle

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



27.2320, 37.3155, 48.9474



31.9151, 37.3155, 70.6702



45.2150, 37.3155, 33.3130



39.2737, 37.3155, 20.5988

Sweetspot

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



27.2331, 37.3169, 48.9483



66.3641, 76.4180, 89.5466



20.3009, 34.5597, 11.7327



13.9881, 16.3334, 19.3376



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.2331, 37.3169, 48.9483



46.7571, 66.3102, 88.6278



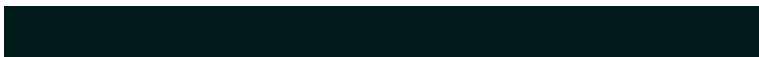
18.6051, 20.0607, 46.0730



8.7427, 9.6316, 10.9046



17.1408, 25.0823, 34.0741



0.5393, 0.7892, 1.0721

Inverse Universe

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



22.3107, 14.8071, 7.8144



37.0333, 21.8439, 7.3709



27.2262, 24.6382, 9.4526



8.4964, 8.5053, 8.8464



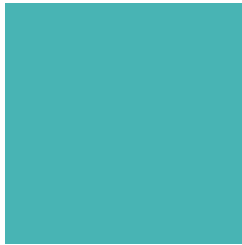
13.1369, 6.7723, 0.6149



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 27.2320, 37.3155, 48.9474 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 27.2320, 37.3155, 48.9474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

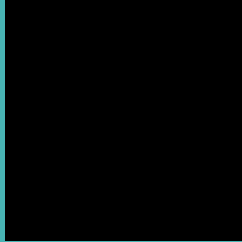
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2320, 37.3155, 48.9474

Background



This preview shows how black text looks on a background with the XYZ color 27.2320, 37.3155, 48.9474.

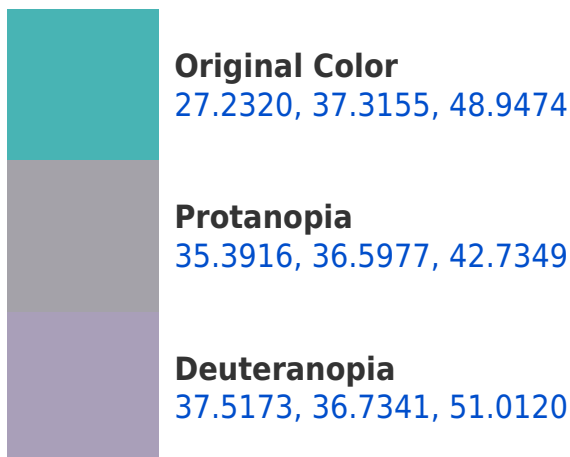


This preview shows how white text looks on a background with the XYZ color 27.2320, 37.3155,

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





Tritanopia

28.6066, 37.2688, 56.1380

Trichromacy



Original Color

27.2320, 37.3155, 48.9474



Protanomaly

31.0909, 36.2184, 44.8873



Deuteranomaly

32.1975, 36.1247, 50.0755



Tritanomaly

28.0989, 37.3669, 53.3085

Monochromacy



Original Color

27.2320, 37.3155, 48.9474



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.6617, 31.6727, 37.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2320, 37.3155, 48.9474 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(72, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(72, 180, 180)  
}
```

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(72, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 27.2320, 37.3155, 48.9474 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(72, 180, 180) }
```


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

```
.border{ border-color:rgb(72, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(72, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2320, 37.3155, 48.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 180, 180) }
```

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

```
.background{ background-color: rgb(72, 180,  
180) }
```

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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