

Converting Colors

XYZ(23.6938, 32.5934, 42.7740)

Have a look what the booklet for
XYZ(23.6938, 32.5934, 42.7740)
contains.

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Color

**XYZ(23.7161, 32.7378,
42.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	41AAA9
RGB	65, 170, 169
RGB Percent	25%, 67%, 66%
CMY	0.7451, 0.3333, 0.3373
CMYK	0.62, 0.00, 0.01, 0.33
HSL	179°, 45%, 46%
HSV	179°, 62%, 67%
XYZ	23.7161, 32.7378, 42.6052
YIQ	138.4910, -62.2590, -22.5710

Conversions

Conversions Part 2

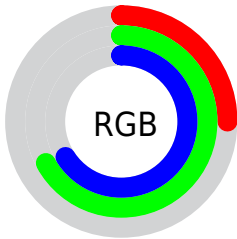
Format	Color
RYB	65, 118, 170
Decimal	4303529
CIELab	63.95, -29.83, -8.44
CIELCh	64, 30.997, 195.806
Yxy	32.7378, 0.2394, 0.3305
Android (android.graphics.Color)	4282493609 (0xFF41AAA9)
YUV	138.4910, 15.0409, -64.4516
Hunter-Lab	57.2170, -26.1424, -4.0970

Details

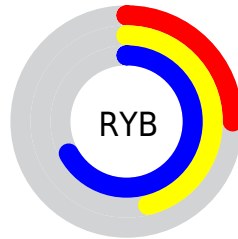
The XYZ color **23.7161, 32.7378, 42.6052** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.4523, 12.7210, 6.5854**, and the grayscale version is **24.3074, 25.5733, 27.8493**.

A 20% lighter version of the original color is **49.1083, 64.1345, 80.3119**, and **9.5722, 14.0069, 19.0287** is the 20% darker color. If you saturate the color by 10%, you get **22.7407, 32.2375, 42.4809**, and if you desaturate by 10%, it is **25.0321, 33.4152, 42.7470**.

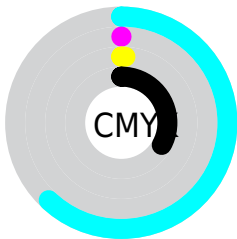
Distribution



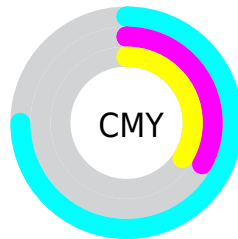
- Red (25%)
- Green (67%)
- Blue (66%)



- Red (25%)
- Yellow (46%)
- Blue (67%)



- Cyan (62%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (75%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7161, 32.7378, 42.6052 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 23.7161, 32.7378, 42.6052 by changing the saturation by 10% instead.

■ 23.7161, 32.7378,
42.6052

■ 23.7161, 32.7378,
42.6052

263.8492,
314.4666, 372.8590

■ 15.2468, 21.9257,
29.2464

■ 49.0246, 63.9660,
80.3947

■ 9.0802, 13.8023,
19.0201

■ 66.5944, 85.1508,
105.6625

■ 4.8511, 7.9833,
11.5078

■ 87.9285, 110.5619,
135.7369

■ 2.1940, 4.0843,
6.2911

■ 113.3921,
140.5838, 171.0367

■ 0.7396, 1.7208,
2.9512

■ 143.3506,
175.6008, 211.9802

■ 0.0000, 0.4371,
1.0698

178.1694,

■ 0.0000, 0.0000,

215.9973, 258.9861

0.0000

218.2138,
262.1578, 312.4728

■ 23.7161, 32.7378,
42.6052

■ 23.7161, 32.7378,
42.6052

■ 22.7407, 32.2375,
42.4809

■ 25.0321, 33.4152,
42.7470

■ 22.0716, 31.8943,
42.3702

■ 26.7135, 34.2802,
42.9053

■ 21.6723, 31.6902,
42.2723

■ 28.7858, 35.3468,
43.0820

■ 21.4787, 31.5918,
42.1981

■ 31.2717, 36.6265,
43.2782

■ 34.1920, 38.1302,
43.4948

■ 37.5662, 39.8680,
43.7327

■ 41.4127, 41.8491,
43.9928

■ 45.7485, 44.0825,
44.2759

■ 50.5903, 46.5768,
44.5828

Harmonies

Analogous

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



23.6652, 32.7378, 30.0683



23.7161, 32.7378, 42.6052



25.6223, 32.7378, 55.8168

Triad

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



23.7161, 32.7378, 42.6052



37.5332, 32.7378, 55.1746



33.2210, 32.7378, 17.0457

Complementary

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



23.7161, 32.7378, 42.6052



19.4523, 12.7210, 6.5854

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.



37.3443, 32.7378, 21.0347



23.7161, 32.7378, 42.6052



39.9872, 32.7378, 41.8739

Square

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



23.7161, 32.7378, 42.6052



33.4598, 32.7378, 64.1520



39.9150, 32.7378, 29.4890



28.8848, 32.7378, 17.1529

Rectangle

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



23.7161, 32.7378, 42.6052



27.8003, 32.7378, 62.3883



39.9150, 32.7378, 29.4890



34.6860, 32.7378, 17.9024

Sweetspot

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



23.7171, 32.7390, 42.6060



57.9447, 67.0744, 78.6126



17.6275, 30.3168, 9.9245



12.6125, 14.7985, 17.5074



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7171, 32.7390, 42.6060



40.7638, 58.2353, 76.9998



16.0633, 17.2805, 40.5204



7.7444, 8.5308, 9.6403



15.8007, 23.2390, 31.0470



0.3854, 0.5658, 0.7603

Inverse Universe

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



19.4523, 12.7210, 6.5854



32.3711, 18.8183, 6.0974



23.7495, 21.3622, 7.8734



7.5339, 7.5434, 7.8628



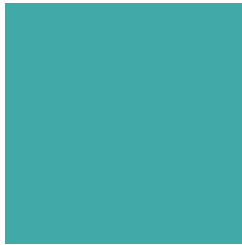
12.2024, 6.2897, 0.6114



0.2978, 0.1534, 0.0195

Previews

White Background



This preview shows how the XYZ color 23.7161, 32.7378, 42.6052 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 23.7161, 32.7378, 42.6052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

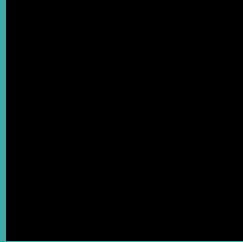
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

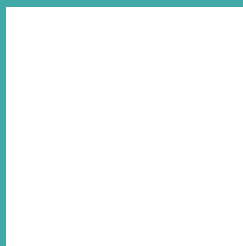
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7161, 32.7378, 42.6052

Background



This preview shows how black text looks on a background with the XYZ color 23.7161, 32.7378, 42.6052.

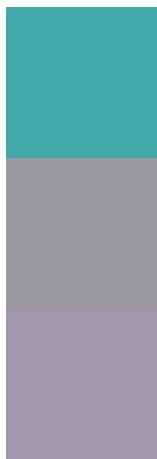


This preview shows how white text looks on a background with the XYZ color 23.7161, 32.7378,

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

23.7161, 32.7378, 42.6052

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.9464, 32.3034, 44.0339



Tritanopia

25.0447, 32.7223, 49.2520

Trichromacy



Original Color

23.7161, 32.7378, 42.6052

Protanomaly

27.0350, 31.5782, 39.3206

Deuteranomaly

27.9608, 31.4525, 43.6270

Tritanomaly

24.5780, 32.8155, 46.6336

Monochromacy



Original Color

23.7161, 32.7378, 42.6052

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.8867, 27.3621, 32.5089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7161, 32.7378, 42.6052 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(65, 170, 169)` looks like.

```
.text, #text, p{  
    color:rgb(65, 170, 169)  
}
```

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(65, 170, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 170, 169) }
```

Border

The CSS property to change the border of an element to XYZ 23.7161, 32.7378, 42.6052 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(65, 170, 169) }
```


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

```
.border{ border-color:rgb(65, 170, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 170, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 170, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 170, 169);  
box-shadow:4px 4px 4px 4px rgb(65, 170,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7161, 32.7378, 42.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 170, 169) }
```

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

```
.background{ background-color: rgb(65, 170,  
169) }
```

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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