

Converting Colors

XYZ(21.1450, 29.2481, 38.5657)

Have a look what the booklet for
XYZ(21.1450, 29.2481, 38.5657)
contains.

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Color

**XYZ(21.2456, 29.3791,
38.7334)**

Conversions

Conversions Part 1

Format	Color
Hex	3BA2A2
RGB	59, 162, 162
RGB Percent	23%, 64%, 64%
CMY	0.7686, 0.3647, 0.3647
CMYK	0.64, 0.00, 0.00, 0.36
HSL	180°, 47%, 43%
HSV	180°, 64%, 64%
XYZ	21.2456, 29.3791, 38.7334
YIQ	131.2030, -61.3880, -21.8360

Conversions

Conversions Part 2

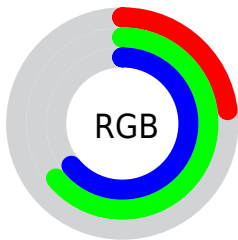
Format	Color
RYB	59, 111, 162
Decimal	3908258
CIELab	61.11, -28.95, -8.76
CIElCh	61, 30.241, 196.829
Yxy	29.3791, 0.2378, 0.3288
Android (android.graphics.Color)	4282098338 (0xFF3BA2A2)
YUV	131.2030, 15.1829, -63.3220
Hunter-Lab	54.2025, -24.8882, -4.4272

Details

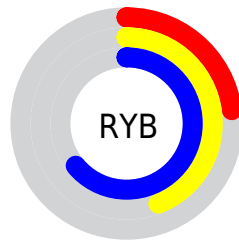
The XYZ color **21.2456, 29.3791, 38.7334** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.2547, 11.1261, 5.3769**, and the grayscale version is **21.6101, 22.7355, 24.7590**.

A 20% lighter version of the original color is **44.9450, 58.5574, 74.5795**, and **8.3904, 12.2776, 16.6795** is the 20% darker color. If you saturate the color by 10%, you get **20.4306, 28.9596, 38.6958**, and if you desaturate by 10%, it is **22.3603, 29.9544, 38.7863**.

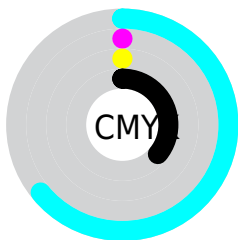
Distribution



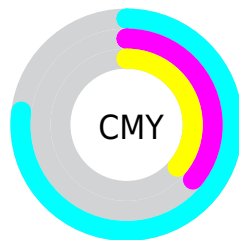
- Red (23%)
- Green (64%)
- Blue (64%)



- Red (23%)
- Yellow (44%)
- Blue (64%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (36%)



- Cyan (77%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2456, 29.3791, 38.7334 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 21.2456, 29.3791, 38.7334 by changing the saturation by 10% instead.

■ 21.2456, 29.3791,
38.7334

■ 21.2456, 29.3791,
38.7334

251.2879,
298.9995, 356.1478

■ 13.4171, 19.3678,
26.2462

■ 44.9841, 58.6789,
74.4467

■ 7.7954, 11.9363,
16.7805

■ 61.6249, 78.7361,
98.5099

■ 4.0150, 6.7003,
9.9178

■ 81.9338, 102.9108,
127.2687

■ 1.7106, 3.2754,
5.2396

■ 106.2762,
131.5873, 161.1419

■ 0.4629, 1.2772,
2.3273

■ 135.0175,
165.1500, 200.5478

■ 0.0000, 0.1234,
0.7465

168.5229,

■ 0.0000, 0.0000,

203.9834, 245.9051

0.0000

207.1580,
248.4717, 297.6322

■ 21.2456, 29.3791,
38.7334

■ 21.2456, 29.3791,
38.7334

■ 20.4306, 28.9596,
38.6958

■ 22.3603, 29.9544,
38.7863

■ 19.8841, 28.6779,
38.6701

■ 23.7971, 30.6951,
38.8537

■ 19.5727, 28.5173,
38.6555

■ 25.5792, 31.6138,
38.9372

■ 19.4424, 28.4502,
38.6493

■ 27.7269, 32.7210,
39.0378

■ 30.2591, 34.0264,
39.1564

■ 33.1932, 35.5390,
39.2938

■ 36.5456, 37.2672,
39.4508

■ 40.3319, 39.2191,
39.6280

■ 44.5668, 41.4022,
39.8263

Harmonies

Analogous

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



21.1409, 29.3791, 27.2684



21.2456, 29.3791, 38.7334



23.0272, 29.3791, 50.6947

Triad

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



21.2456, 29.3791, 38.7334



33.8594, 29.3791, 49.3676



29.6969, 29.3791, 15.0949

Complementary

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



21.2456, 29.3791, 38.7334



17.2547, 11.1261, 5.3769

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.



33.4699, 29.3791, 18.5644



21.2456, 29.3791, 38.7334



36.0219, 29.3791, 37.2249

Square

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



21.2456, 29.3791, 38.7334



30.1891, 29.3791, 57.7605



35.8729, 29.3791, 26.0765



25.7750, 29.3791, 15.3144

Rectangle

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



21.2456, 29.3791, 38.7334



25.0311, 29.3791, 56.5442



35.8729, 29.3791, 26.0765



31.0316, 29.3791, 15.8255

Sweetspot

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



21.2465, 29.3802, 38.7341



52.1854, 60.3550, 70.9550



15.6178, 27.1407, 8.5541



11.4476, 13.4147, 15.9234



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.2465, 29.3802, 38.7341



36.6504, 52.3464, 70.2270



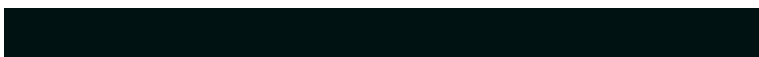
14.1444, 15.1759, 36.3673



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4479



0.3218, 0.4709, 0.6398

Inverse Universe

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



17.2547, 11.1261, 5.3769



28.8186, 16.5322, 4.7808



21.1364, 18.8896, 6.6706



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 21.2456, 29.3791, 38.7334 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 21.2456, 29.3791, 38.7334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

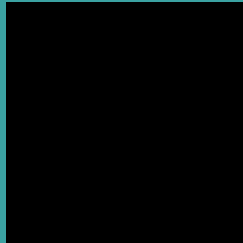
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2456, 29.3791, 38.7334

Background



This preview shows how black text looks on a background with the XYZ color 21.2456, 29.3791, 38.7334.

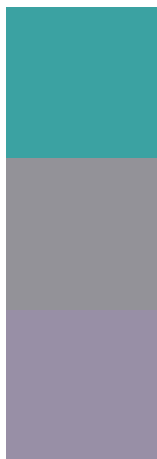


This preview shows how white text looks on a background with the XYZ color 21.2456, 29.3791,

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

21.2456, 29.3791, 38.7334

Protanopia

27.9790, 29.0278, 33.8340

Deuteranopia

29.6543, 29.0735, 40.1252



Tritanopia

22.2280, 29.2487, 44.0092

Trichromacy



Original Color

21.2456, 29.3791, 38.7334

Protanomaly

24.2992, 28.5016, 35.6731

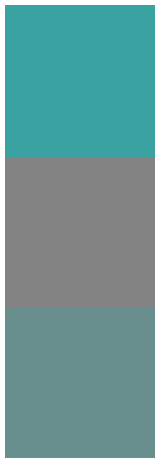
Deuteranomaly

25.1691, 28.3809, 39.7488

Tritanomaly

21.8929, 29.3784, 42.0528

Monochromacy



Original Color

21.2456, 29.3791, 38.7334

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.3812, 24.3023, 29.2078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2456, 29.3791, 38.7334 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(59, 162, 162)` looks like.

```
.text, #text, p{  
    color:rgb(59, 162, 162)  
}
```

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(59, 162, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 162, 162) }
```

Border

The CSS property to change the border of an element to XYZ 21.2456, 29.3791, 38.7334 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(59, 162, 162) }
```


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

```
.border{ border-color:rgb(59, 162, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 162, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 162, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 162, 162);  
box-shadow:4px 4px 4px 4px rgb(59, 162,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2456, 29.3791, 38.7334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 162, 162) }
```

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

```
.background{ background-color: rgb(59, 162,  
162) }
```

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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