

Converting Colors

XYZ(22.1702, 32.5786, 40.7710)

Have a look what the booklet for
XYZ(22.1702, 32.5786, 40.7710)
contains.

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Color

**XYZ(22.1397, 32.5287,
40.7091)**

Conversions

Conversions Part 1

Format	Color
Hex	20ACA5
RGB	32, 172, 165
RGB Percent	13%, 67%, 65%
CMY	0.8745, 0.3255, 0.3529
CMYK	0.81, 0.00, 0.04, 0.33
HSL	177°, 69%, 40%
HSV	177°, 81%, 67%
XYZ	22.1397, 32.5287, 40.7091
YIQ	129.3420, -81.1930, -31.8570

Conversions

Conversions Part 2

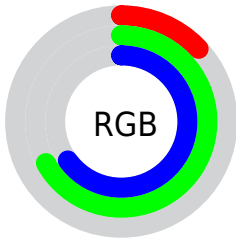
Format	Color
RYB	32, 104, 172
Decimal	2141349
CIELab	63.78, -36.22, -6.53
CIELCh	64, 36.809, 190.224
Yxy	32.5287, 0.2321, 0.3411
Android (android.graphics.Color)	4280331429 (0xFF20ACA5)
YUV	129.3420, 17.5794, -85.3689
Hunter-Lab	57.0339, -30.5184, -2.3957

Details

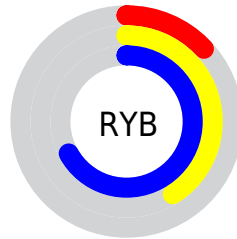
The XYZ color **22.1397, 32.5287, 40.7091** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.8970, 9.9511, 2.8980**, and the grayscale version is **20.9484, 22.0393, 24.0008**.

A 20% lighter version of the original color is **46.4874, 63.6574, 77.5471**, and **9.5775, 14.3859, 17.8948** is the 20% darker color. If you saturate the color by 10%, you get **21.6605, 32.2914, 40.2800**, and if you desaturate by 10%, it is **22.9001, 32.9123, 41.1556**.

Distribution



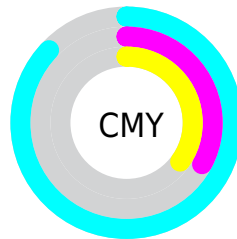
- Red (13%)
- Green (67%)
- Blue (65%)



- Red (13%)
- Yellow (41%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1397, 32.5287, 40.7091 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 22.1397, 32.5287, 40.7091 by changing the saturation by 10% instead.

■ 22.1397, 32.5287,
40.7091

■ 22.1397, 32.5287,
40.7091

255.8936,
313.5207, 364.7439

■ 14.0768, 21.7656,
27.7739

■ 46.4539, 63.6390,
77.4910

■ 8.2561, 13.6848,
17.9177

■ 63.4359, 84.7551,
102.1747

■ 4.3125, 7.9018,
10.7221

■ 84.1216, 110.0909,
131.6116

■ 1.8804, 4.0322,
5.7685

■ 108.8764,
140.0309, 166.2204

■ 0.5654, 1.6916,
2.6383

■ 138.0657,
174.9595, 206.4194

■ 0.0000, 0.4182,
0.9121

172.0547,

■ 0.0000, 0.0000,

215.2610, 252.6273

0.0000

211.2089,
261.3200, 305.2626

■ 22.1397, 32.5287,
40.7091

■ 22.1397, 32.5287,
40.7091

■ 21.6605, 32.2914,
40.2800

■ 22.9001, 32.9123,
41.1556

■ 21.3998, 32.1647,
39.9192

■ 23.9770, 33.4584,
41.6189

■ 25.4035, 34.1846,
42.1013

■ 27.2080, 35.1056,
42.6042

■ 29.4158, 36.2344,
43.1287

■ 32.0501, 37.5830,
43.6759

■ 35.1322, 39.1625,
44.2469

■ 38.6823, 40.9831,
44.8426

■ 42.7189, 43.0545,
45.4639

Harmonies

Analogous

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



22.4839, 32.5287, 26.6424



22.1397, 32.5287, 40.7091



23.9395, 32.5287, 57.1374

Triad

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



22.1397, 32.5287, 40.7091



37.7828, 32.5287, 61.8673



34.3999, 32.5287, 14.8330

Complementary

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



22.1397, 32.5287, 40.7091



17.8970, 9.9511, 2.8980

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.



39.1348, 32.5287, 20.0460



22.1397, 32.5287, 40.7091



41.2335, 32.5287, 45.9363

Square

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



22.1397, 32.5287, 40.7091



32.7136, 32.5287, 71.4186



41.7541, 32.5287, 30.6069



29.1884, 32.5287, 14.1575

Rectangle

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



22.1397, 32.5287, 40.7091



26.2444, 32.5287, 66.2760



41.7541, 32.5287, 30.6069



36.1149, 32.5287, 16.0263

Sweetspot

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



22.1407, 32.5299, 40.7099



56.6042, 67.3916, 78.9257



15.9421, 30.0889, 6.3348



11.9418, 14.4616, 17.0778



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.



22.1407, 32.5299, 40.7099



38.8808, 58.3801, 72.4377



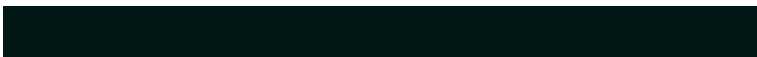
13.7642, 14.7291, 41.1485



8.2188, 9.0651, 10.1770



15.9306, 23.9375, 29.7379



0.4483, 0.6680, 0.8544

Inverse Universe

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



17.8970, 9.9511, 2.8980



31.0030, 16.0446, 1.9332



21.1605, 16.6469, 3.4652



8.0209, 8.0216, 8.4208



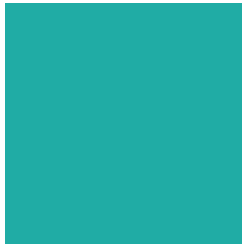
12.7019, 6.5433, 0.8096



0.3585, 0.1841, 0.0496

Previews

White Background



This preview shows how the XYZ color 22.1397, 32.5287, 40.7091 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 22.1397, 32.5287, 40.7091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

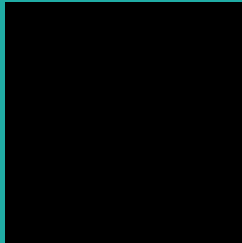
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.1397, 32.5287, 40.7091

Background



This preview shows how black text looks on a background with the XYZ color 22.1397, 32.5287, 40.7091.

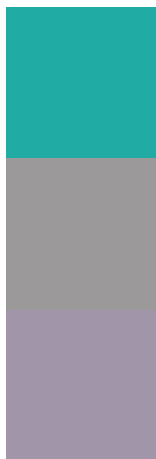


This preview shows how white text looks on a background with the XYZ color 22.1397, 32.5287,

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

22.1397, 32.5287, 40.7091

Protanopia

30.9343, 32.1835, 35.1535

Deuteranopia

32.7011, 31.9742, 42.4783



Tritanopia

23.9075, 32.3992, 49.7934

Trichromacy



Original Color

22.1397, 32.5287, 40.7091

Protanomaly

25.2979, 30.9897, 36.9960

Deuteranomaly

26.0643, 30.5185, 41.5627

Tritanomaly

23.1660, 32.3763, 46.1026

Monochromacy



Original Color

22.1397, 32.5287, 40.7091

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.6240, 24.5835, 29.3020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1397, 32.5287, 40.7091 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(32, 172, 165)` looks like.

```
.text, #text, p{  
    color:rgb(32, 172, 165)  
}
```

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(32, 172, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 172, 165) }
```

Border

The CSS property to change the border of an element to XYZ 22.1397, 32.5287, 40.7091 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(32, 172, 165) }
```


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

```
.border{ border-color:rgb(32, 172, 165) }
```

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

Here you see how a box with a 4 pixel rgb(32, 172, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 172, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 172, 165);  
box-shadow:4px 4px 4px 4px rgb(32, 172,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1397, 32.5287, 40.7091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 172, 165) }
```

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

```
.background{ background-color: rgb(32, 172,  
165) }
```

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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