

Converting Colors

XYZ(23.0937, 37.8662, 31.4369)

Have a look what the booklet for
XYZ(23.0937, 37.8662, 31.4369)
contains.

XYZ(22.9789, 37.6704, 31.2593)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9789, 37.6704,
31.2593)**

Conversions

Conversions Part 1

Format	Color
Hex	19BB8D
RGB	25, 187, 141
RGB Percent	10%, 73%, 55%
CMY	0.9019, 0.2667, 0.4471
CMYK	0.87, 0.00, 0.25, 0.27
HSL	163°, 76%, 42%
HSV	163°, 87%, 73%
XYZ	22.9789, 37.6704, 31.2593
YIQ	133.3180, -81.7860, -48.6500

Conversions

Conversions Part 2

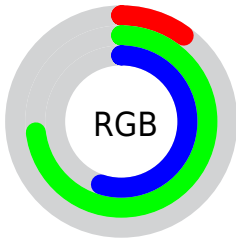
Format	Color
RYB	25, 119, 187
Decimal	1686413
CIELab	67.78, -49.63, 12.51
CIELCh	68, 51.177, 165.856
Yxy	37.6704, 0.2500, 0.4099
Android (android.graphics.Color)	4279876493 (0xFF19BB8D)
YUV	133.3180, 3.7872, -94.9949
Hunter-Lab	61.3762, -40.5790, 12.7666

Details

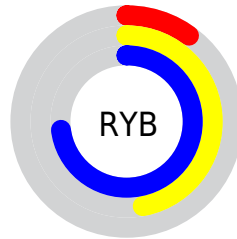
The XYZ color **22.9789, 37.6704, 31.2593** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.9797, 11.7158, 7.0657**, and the grayscale version is **22.4196, 23.5871, 25.6864**.

A 20% lighter version of the original color is **47.7945, 71.5251, 62.9164**, and **10.2759, 17.5304, 12.7396** is the 20% darker color. If you saturate the color by 10%, you get **22.2720, 37.3515, 29.2134**, and if you desaturate by 10%, it is **24.0098, 38.1560, 33.4209**.

Distribution



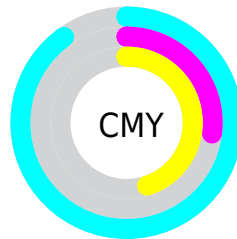
- Red (10%)
- Green (73%)
- Blue (55%)



- Red (10%)
- Yellow (47%)
- Blue (73%)



- Cyan (87%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)



- Cyan (90%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9789, 37.6704, 31.2593 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 22.9789, 37.6704, 31.2593 by changing the saturation by 10% instead.

■ 22.9789, 37.6704,
31.2593

■ 22.9789, 37.6704,
31.2593

260.1540,
336.2040, 322.1193

■ 14.6985, 25.7270,
20.5363

■ 47.8256, 71.6027,
62.7324

■ 8.6930, 16.6195,
12.5975

■ 65.1226, 94.3603,
84.3196

■ 4.5970, 9.9636,
7.0245

■ 86.1559, 121.4915,
110.3653

■ 2.0451, 5.3748,
3.3988

■ 111.2909,
153.3805, 141.2879

■ 0.6591, 2.4688,
1.3017

■ 140.8928,
190.4119, 177.5061

■ 0.0000, 0.8610,
0.0632

175.3270,

■ 0.0000, 0.0000,

232.9700, 219.4383

0.0000

214.9590,
281.4392, 267.5032

■ 22.9789, 37.6704,
31.2593

■ 22.9789, 37.6704,
31.2593

■ 22.2720, 37.3515,
29.2134

■ 24.0098, 38.1560,
33.4209

■ 22.0671, 37.2604,
28.5467

■ 25.4199, 38.8340,
35.6997

■ 27.2537, 39.7281,
38.1000

■ 29.5486, 40.8577,
40.6246

■ 32.3379, 42.2398,
43.2766

■ 35.6516, 43.8899,
46.0585

■ 39.5172, 45.8223,
48.9728

■ 43.9606, 48.0500,
52.0219

■ 49.0056, 50.5855,
55.2082

Harmonies

Analogous

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



25.9540, 37.6704, 17.5293



22.9789, 37.6704, 31.2593



23.0666, 37.6704, 54.1189

Triad

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



22.9789, 37.6704, 31.2593



40.1270, 37.6704, 98.8719



47.4875, 37.6704, 17.0116

Complementary

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



22.9789, 37.6704, 31.2593



21.9797, 11.7158, 7.0657

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.



52.5352, 37.6704, 30.2207



22.9789, 37.6704, 31.2593



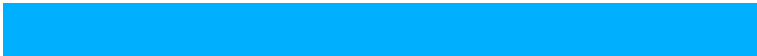
47.8770, 37.6704, 79.4888

Square

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



22.9789, 37.6704, 31.2593



32.2122, 37.6704, 99.4796



52.6874, 37.6704, 52.6186



39.6546, 37.6704, 11.6022

Rectangle

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



22.9789, 37.6704, 31.2593



24.8296, 37.6704, 72.2203



52.6874, 37.6704, 52.6186



49.6139, 37.6704, 20.4127

Sweetspot

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



22.9799, 37.6719, 31.2602



63.9823, 78.6701, 82.5929



20.7404, 37.0525, 6.9789



13.6097, 17.0850, 17.8004



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.9799, 37.6719, 31.2602



39.4139, 66.6881, 50.5631



21.0266, 27.1059, 51.1392



9.6899, 10.7621, 11.6165



15.2361, 25.6847, 19.8379



0.6236, 1.0168, 0.9179

Inverse Universe

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



21.9797, 11.7158, 7.0657



37.7715, 19.3486, 7.3402



22.1532, 13.6021, 2.3780



9.6386, 9.5797, 10.4857



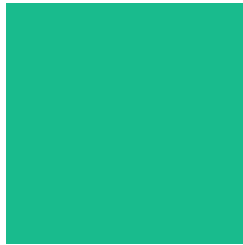
14.5919, 7.4679, 3.1444



0.6007, 0.3042, 0.2766

Previews

White Background



This preview shows how the XYZ color 22.9789, 37.6704, 31.2593 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 22.9789, 37.6704, 31.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

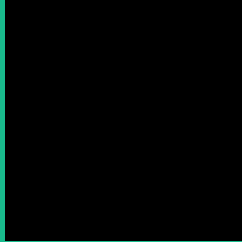
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.9789, 37.6704, 31.2593

Background



This preview shows how black text looks on a background with the XYZ color 22.9789, 37.6704, 31.2593.

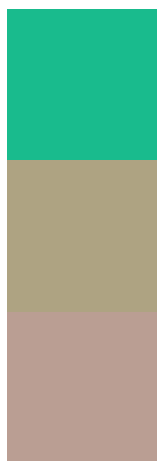


This preview shows how white text looks on a background with the XYZ color 22.9789, 37.6704,

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

22.9789, 37.6704, 31.2593

Protanopia

34.5820, 36.8048, 26.4005

Deuteranopia

37.7430, 36.9994, 32.7561



Tritanopia

28.2215, 37.6394, 57.4075

Trichromacy



Original Color

22.9789, 37.6704, 31.2593



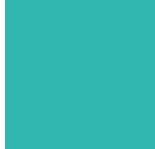
Protanomaly

26.8013, 35.2193, 27.9397



Deuteranomaly

28.0512, 34.9323, 32.0522



Tritanomaly

25.9380, 37.6151, 46.4508

Monochromacy



Original Color

22.9789, 37.6704, 31.2593



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.4513, 26.9397, 27.4145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9789, 37.6704, 31.2593 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(25, 187, 141)` looks like.

```
.text, #text, p{  
    color:rgb(25, 187, 141)  
}
```

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(25, 187, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 187, 141) }
```

Border

The CSS property to change the border of an element to XYZ 22.9789, 37.6704, 31.2593 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(25, 187, 141) }
```


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

```
.border{ border-color:rgb(25, 187, 141) }
```

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

Here you see how a box with a 4 pixel rgb(25, 187, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 187, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 187, 141);  
box-shadow:4px 4px 4px 4px rgb(25, 187,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9789, 37.6704, 31.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 187, 141) }
```

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

```
.background{ background-color: rgb(25, 187,  
141) }
```

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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