

Converting Colors

XYZ(11.3562, 25.9979, 37.1221)

Have a look what the booklet for
XYZ(11.3562, 25.9979, 37.1221)
contains.

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Color

**XYZ(20.2606, 30.5085,
37.6218)**

Conversions

Conversions Part 1

Format	Color
Hex	00A89F
RGB	0, 168, 159
RGB Percent	0%, 66%, 62%
CMY	0.9999, 0.3412, 0.3765
CMYK	1.00, 0.00, 0.05, 0.34
HSL	177°, 100%, 33%
HSV	177°, 100%, 66%
XYZ	20.2606, 30.5085, 37.6218
YIQ	116.7420, -97.2390, -38.4150

Conversions

Conversions Part 2

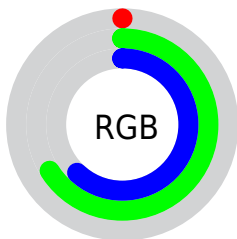
Format	Color
RYB	0, 86, 168
Decimal	43167
CIELab	62.09, -37.92, -5.70
CIElCh	62, 38.342, 188.555
Yxy	30.5085, 0.2292, 0.3452
Android (android.graphics.Color)	4278233247 (0xFF00A89F)
YUV	116.7420, 20.8332, -102.3827
Hunter-Lab	55.2345, -31.1847, -1.7200

Details

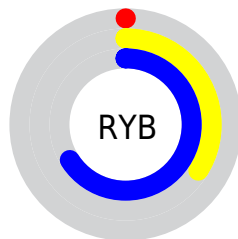
The XYZ color **20.2606, 30.5085, 37.6218** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1987, 8.3453, 1.0161**, and the grayscale version is **16.7901, 17.6645, 19.2367**.

A 20% lighter version of the original color is **43.4093, 60.5460, 73.0170**, and **8.8375, 13.3442, 16.2973** is the 20% darker color. If you saturate the color by 10%, you get **20.2612, 30.5095, 37.6220**, and if you desaturate by 10%, it is **20.5676, 30.6584, 38.0462**.

Distribution



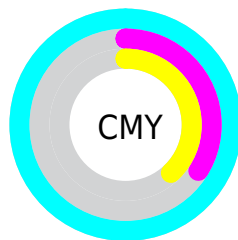
- Red (0%)
- Green (66%)
- Blue (62%)



- Red (0%)
- Yellow (34%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2606, 30.5085, 37.6218 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 20.2606, 30.5085, 37.6218 by changing the saturation by 10% instead.

■ 20.2606, 30.5085,
37.6218

■ 20.2606, 30.5085,
37.6218

■ 246.1292,
304.2676, 351.2442

■ 12.6940, 20.2249,
25.3897

■ 43.3543, 60.4654,
72.7251

■ 7.2937, 12.5586,
16.1460

■ 59.6121, 80.9075,
96.4333

■ 3.6944, 7.1253,
9.4721

■ 79.4976, 105.5045,
124.8041

■ 1.5307, 3.5406,
4.9494

■ 103.3763,
134.6409, 158.2559

■ 0.3466, 1.4201,
2.1594

■ 131.6134,
168.7010, 197.2073

■ 0.0000, 0.2314,
0.6508

■ 164.5744,

■ 0.0000, 0.0000,

208.0692, 242.0768

0.0000

202.6245,
253.1299, 293.2829

■ 20.2606, 30.5085,
37.6218

■ 20.2606, 30.5085,
37.6218

■ 20.2612, 30.5095,
37.6220

■ 20.5676, 30.6584,
38.0462

■ 21.0659, 30.9062,
38.4818

■ 21.8345, 31.2932,
38.9331

■ 22.9083, 31.8375,
39.4016

■ 24.3172, 32.5545,
39.8889

■ 26.0873, 33.4576,
40.3960

■ 28.2422, 34.5591,
40.9241

■ 30.8037, 35.8700,
41.4743

■ 33.7916, 37.4007,
42.0475

Harmonies

Analogous

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



20.7174, 30.5085, 23.8855



20.2606, 30.5085, 37.6218



21.9179, 30.5085, 54.2322

Triad

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



20.2606, 30.5085, 37.6218



35.6225, 30.5085, 60.7213



32.7733, 30.5085, 13.1865

Complementary

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



20.2606, 30.5085, 37.6218



16.1987, 8.3453, 1.0161

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.



37.4575, 30.5085, 18.4841



20.2606, 30.5085, 37.6218



39.2333, 30.5085, 44.7122

Square

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



20.2606, 30.5085, 37.6218



30.4967, 30.5085, 69.9278



39.9419, 30.5085, 29.1731



27.5481, 30.5085, 12.3157

Rectangle

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



20.2606, 30.5085, 37.6218



24.1290, 30.5085, 63.7896



39.9419, 30.5085, 29.1731



34.4802, 30.5085, 14.4126

Sweetspot

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



20.2615, 30.5096, 37.6225



51.0087, 62.5880, 74.2053



14.1442, 28.0790, 4.6749



10.7588, 13.4580, 16.0885



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2615, 30.5096, 37.6225



36.7396, 55.3516, 68.1314



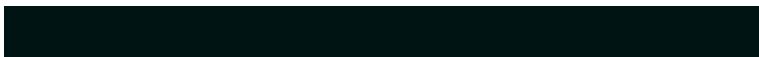
11.1796, 11.0497, 38.5907



7.7299, 8.5250, 9.5639



15.3060, 23.0412, 28.4418



0.3775, 0.5626, 0.7186

Inverse Universe

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



16.1987, 8.3453, 1.0161



29.3686, 15.1326, 1.7129



18.5194, 13.0657, 1.5464



7.5468, 7.5486, 7.9307



12.2381, 6.3039, 0.7993



0.3027, 0.1553, 0.0454

Previews

White Background



This preview shows how the XYZ color 20.2606, 30.5085, 37.6218 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 20.2606, 30.5085, 37.6218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

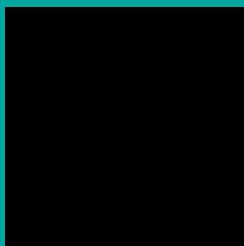
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

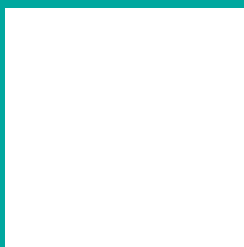
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2606, 30.5085, 37.6218

Background



This preview shows how black text looks on a background with the XYZ color 20.2606, 30.5085, 37.6218.

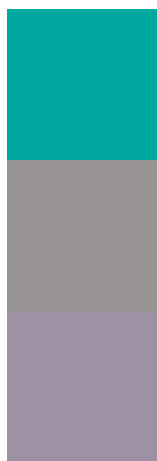


This preview shows how white text looks on a background with the XYZ color 20.2606, 30.5085,

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

20.2606, 30.5085, 37.6218

Protanopia

28.8841, 29.9933, 32.2839

Deuteranopia

30.7309, 30.0992, 39.3120



Tritanopia

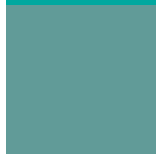
22.3911, 30.5770, 47.3696

Trichromacy



Original Color

20.2606, 30.5085, 37.6218



Protanomaly

22.3186, 28.2511, 33.9825



Deuteranomaly

23.1684, 28.1004, 38.3852



Tritanomaly

21.4593, 30.4452, 43.7752

Monochromacy



Original Color

20.2606, 30.5085, 37.6218



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.7931, 20.7301, 24.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2606, 30.5085, 37.6218 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(0, 168, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 159)  
}
```

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(0, 168, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.2606, 30.5085, 37.6218 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(0, 168, 159) }
```


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

```
.border{ border-color:rgb(0, 168, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2606, 30.5085, 37.6218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 159) }
```

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

```
.background{ background-color: rgb(0, 168,  
159) }
```

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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