

Converting Colors

XYZ(6.8504, 23.0714, 40.7986)

Have a look what the booklet for
XYZ(6.8504, 23.0714, 40.7986)
contains.

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Color

**XYZ(20.6113, 30.0625,
41.2755)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6A7
RGB	0, 166, 167
RGB Percent	0%, 65%, 65%
CMY	0.9999, 0.3490, 0.3451
CMYK	1.00, 0.01, 0.00, 0.35
HSL	180°, 100%, 33%
HSV	180°, 100%, 65%
XYZ	20.6113, 30.0625, 41.2755
YIQ	116.4800, -99.2570, -34.8810

Conversions

Conversions Part 2

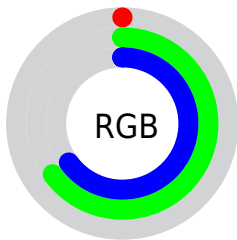
Format	Color
RYB	0, 83, 167
Decimal	42663
CIELab	61.71, -34.55, -10.77
CIELCh	62, 36.193, 197.307
Yxy	30.0625, 0.2242, 0.3269
Android (android.graphics.Color)	4278232743 (0xFF00A6A7)
YUV	116.4800, 24.9064, -102.1530
Hunter-Lab	54.8293, -28.8499, -6.2530

Details

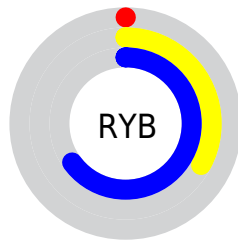
The XYZ color **20.6113, 30.0625, 41.2755** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9479, 8.2380, 0.7504**, and the grayscale version is **16.6987, 17.5684, 19.1319**.

A 20% lighter version of the original color is **44.0254, 59.9494, 78.3582**, and **8.9996, 13.0481, 18.2639** is the 20% darker color. If you saturate the color by 10%, you get **20.6118, 30.0633, 41.2762**, and if you desaturate by 10%, it is **20.8564, 30.2164, 41.2929**.

Distribution



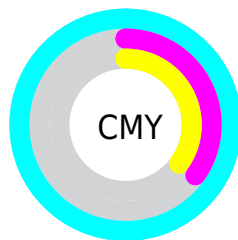
- Red (0%)
- Green (65%)
- Blue (65%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6113, 30.0625, 41.2755 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 20.6113, 30.0625, 41.2755 by changing the saturation by 10% instead.

■ 20.6113, 30.0625,
41.2755

■ 20.6113, 30.0625,
41.2755

■ 247.9765,
302.1957, 367.1814

■ 12.9510, 19.8860,
28.2131

■ 43.9359, 59.7610,
78.3601

■ 7.4716, 12.3122,
18.2459

■ 60.3309, 80.0518,
103.2195

■ 3.8077, 6.9567,
10.9554

■ 80.3682, 104.4829,
132.8482

■ 1.5939, 3.4350,
5.9231

■ 104.4132,
133.4386, 167.6648

■ 0.3884, 1.3628,
2.7303

■ 132.8311,
167.3033, 208.0879

■ 0.0000, 0.1891,
0.9586

■ 165.9874,

■ 0.0000, 0.0000,

206.4615, 254.5360

0.0000

204.2474,
251.2975, 307.4277

■ 20.6113, 30.0625,
41.2755

■ 20.6113, 30.0625,
41.2755

■ 20.6118, 30.0633,
41.2762

■ 20.8564, 30.2164,
41.2929

■ 21.2893, 30.4666,
41.3183

■ 21.9882, 30.8539,
41.3562

■ 22.9878, 31.3962,
41.4082

■ 24.3171, 32.1086,
41.4757

■ 26.0022, 33.0044,
41.5598

■ 28.0662, 34.0955,
41.6616

■ 30.5305, 35.3930,
41.7821

■ 33.4147, 36.9069,
41.9224

Harmonies

Analogous

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



20.4565, 30.0625, 27.2432



20.6113, 30.0625, 41.2755



22.7418, 30.0625, 56.3574

Triad

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



20.6113, 30.0625, 41.2755



35.9363, 30.0625, 54.2161



30.6575, 30.0625, 13.0751

Complementary

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



20.6113, 30.0625, 41.2755



15.9479, 8.2380, 0.7504

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.



35.3255, 30.0625, 16.8507



20.6113, 30.0625, 41.2755



38.5956, 30.0625, 38.9146

Square

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



20.6113, 30.0625, 41.2755



31.4185, 30.0625, 65.1522



38.3603, 30.0625, 25.4587



25.9057, 30.0625, 13.3771

Rectangle

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



20.6113, 30.0625, 41.2755



25.1470, 30.0625, 63.8123



38.3603, 30.0625, 25.4587



32.2980, 30.0625, 13.8522

Sweetspot

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



20.6122, 30.0636, 41.2762



50.0378, 60.9426, 74.6011



13.8195, 27.6381, 4.6072



10.8469, 13.4526, 16.6771



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.



20.6122, 30.0636, 41.2762



36.9080, 53.8290, 73.9201



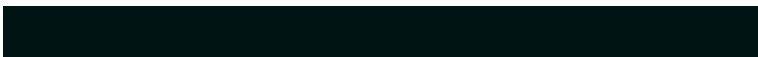
10.1084, 9.0560, 37.7750



7.7437, 8.5242, 9.6556



15.7735, 23.0072, 31.5850



0.3849, 0.5621, 0.7689

Inverse Universe

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



22.8201, 10.9695, 36.9922



40.8652, 19.6431, 66.2337



19.0696, 14.4815, 1.7910



7.8400, 7.6658, 9.4744



17.4623, 8.3936, 28.3099



0.4255, 0.2045, 0.6919

Previews

White Background



This preview shows how the XYZ color 20.6113, 30.0625, 41.2755 looks on a white background.

Color Contrast Check

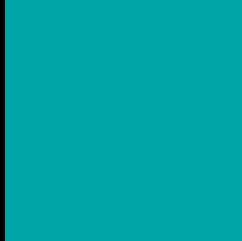
Large Text (above 18pt) WCAG AA × Fail

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 20.6113, 30.0625, 41.2755 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 20.6113, 30.0625, 41.2755

Background



This preview shows how black text looks on a background with the XYZ color 20.6113, 30.0625, 41.2755.

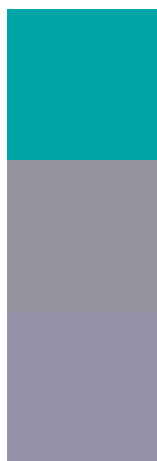


This preview shows how white text looks on a background with the XYZ color 20.6113, 30.0625,

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

20.6113, 30.0625, 41.2755

Protanopia

28.7445, 29.6236, 35.2133

Deuteranopia

30.3343, 29.8087, 43.1846



Tritanopia

21.8180, 30.0265, 46.7652

Trichromacy



Original Color

20.6113, 30.0625, 41.2755



Protanomaly

22.5329, 28.0473, 37.0269



Deuteranomaly

23.4708, 28.1715, 42.2308



Tritanomaly

21.3446, 30.0949, 44.7283

Monochromacy



Original Color

20.6113, 30.0625, 41.2755



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.7223, 20.2553, 26.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6113, 30.0625, 41.2755 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, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 167)  
}
```

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, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.6113, 30.0625, 41.2755 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, 166, 167) }
```


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

```
.border{ border-color:rgb(0, 166, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6113, 30.0625, 41.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 167) }
```

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

```
.background{ background-color: rgb(0, 166,  
167) }
```

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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