

Converting Colors

XYZ(16.6550, 20.6271, 41.7516)

Have a look what the booklet for
XYZ(16.6550, 20.6271, 41.7516)
contains.

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Color

**XYZ(16.6103, 20.5753,
41.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	2087AB
RGB	32, 135, 171
RGB Percent	13%, 53%, 67%
CMY	0.8745, 0.4706, 0.3294
CMYK	0.81, 0.21, 0.00, 0.33
HSL	196°, 68%, 40%
HSV	196°, 81%, 67%
XYZ	16.6103, 20.5753, 41.6240
YIQ	108.3070, -72.9440, -10.6400

Conversions

Conversions Part 2

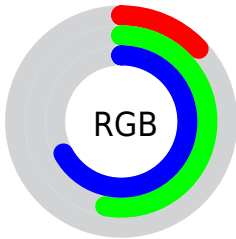
Format	Color
R _Y B	32, 91, 171
Decimal	2131883
CIE Lab	52.48, -15.64, -27.08
CIE LCh	52, 31.270, 240.000
Yxy	20.5753, 0.2108, 0.2611
Android (android.graphics.Color)	4280321963 (0xFF2087AB)
YUV	108.3070, 30.9076, -66.9212
Hunter-Lab	45.3600, -14.0154, -22.6547




Details

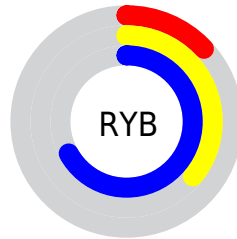
The XYZ color **16.6103, 20.5753, 41.6240** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.1234, 12.8979, 2.8490**, and the grayscale version is **14.2718, 15.0151, 16.3514**.




A 20% lighter version of the original color is **37.0775, 44.2241, 78.5334**, and **6.5783, 7.8289, 18.6172** is the 20% darker color. If you saturate the color by 10%, you get **15.6054, 19.1592, 41.4040**, and if you desaturate by 10%, it is **17.9179, 22.1863, 41.8664**.

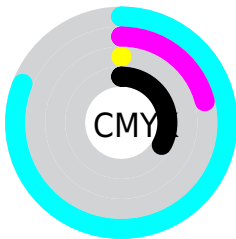
Distribution







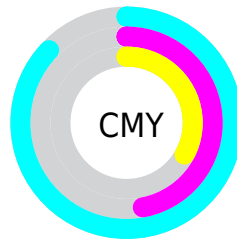
-  Red (13%)
-  Green (53%)
-  Blue (67%)






-  Red (13%)
-  Yellow (36%)
-  Blue (67%)



-  Cyan (81%)
-  Magenta (21%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (87%)
-  Magenta (47%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6103, 20.5753, 41.6240 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 16.6103, 20.5753, 41.6240 by changing the saturation by 10% instead.

■ 16.6103, 20.5753,
41.6240

■ 16.6103, 20.5753,
41.6240

■ 226.1168,
255.0128, 368.6755

■ 10.0506, 12.8139,
28.4836

■ 37.2035, 44.3796,
78.8942

■ 5.4951, 7.3005,
18.4483

■ 51.9677, 61.1914,
103.8611

■ 2.5783, 3.6508,
11.0996

■ 70.1974, 81.7887,
133.6072

■ 0.9349, 1.4802,
6.0188

■ 92.2581, 106.5560,
168.5511

■ 0.0000, 0.2747,
2.7876

■ 118.5150,
135.8776, 209.1114

■ 0.0000, 0.0000,
0.9872

■ 149.3335,

■ 0.0000, 0.0000,

170.1381, 255.7065

0.0000

185.0790,
209.7216, 308.7550

■ 16.6103, 20.5753,
41.6240

■ 16.6103, 20.5753,
41.6240

■ 15.6054, 19.1592,
41.4040

■ 17.9179, 22.1863,
41.8664

■ 14.9028, 18.0444,
41.2259

■ 19.5639, 24.0100,
42.1317

■ 21.5809, 26.0641,
42.4219

■ 23.9971, 28.3634,
42.7383

■ 26.8377, 30.9214,
43.0824

■ 30.1259, 33.7506,
43.4551

■ 33.8829, 36.8622,
43.8577

■ 38.1289, 40.2670,
44.2911

■ 42.8824, 43.9750,
44.7563

Harmonies

Analogous

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



14.6524, 20.5753, 32.5334



16.6103, 20.5753, 41.6240



19.5562, 20.5753, 45.3332

Triad

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



16.6103, 20.5753, 41.6240



26.4531, 20.5753, 22.4030



16.6103, 20.5753, 10.2532

Complementary

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



16.6103, 20.5753, 41.6240



19.1234, 12.8979, 2.8490

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.



19.5562, 20.5753, 8.9012



16.6103, 20.5753, 41.6240



25.4476, 20.5753, 14.6296

Square

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



16.6103, 20.5753, 41.6240



25.4476, 20.5753, 32.5335



22.8313, 20.5753, 10.2532



14.6524, 20.5753, 14.6296

Rectangle

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



16.6103, 20.5753, 41.6240



21.7599, 20.5753, 43.6374



22.8313, 20.5753, 10.2532



17.5066, 20.5753, 9.4940

Sweetspot

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



16.6110, 20.5760, 41.6245



52.0129, 58.7982, 77.6097



16.1650, 29.8357, 10.1792



11.1430, 12.7200, 17.2556



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.



16.6110, 20.5760, 41.6245



26.7728, 32.3996, 73.8446



9.9396, 7.2333, 39.4007



8.0581, 8.7156, 10.2103



11.2786, 13.6910, 31.0927



0.3547, 0.4627, 0.8786

Inverse Universe

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



21.6849, 11.4410, 23.9878



36.9671, 18.3385, 37.4463



25.8955, 26.4422, 5.1063



8.2471, 8.1121, 9.6122



15.5566, 7.6852, 15.8421



0.4534, 0.2221, 0.5495

Previews

White Background



This preview shows how the XYZ color 16.6103, 20.5753, 41.6240 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 16.6103, 20.5753, 41.6240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

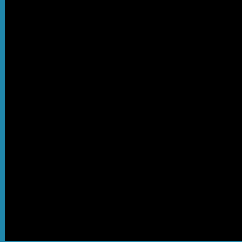
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6103, 20.5753, 41.6240

Background



This preview shows how black text looks on a background with the XYZ color 16.6103, 20.5753, 41.6240.

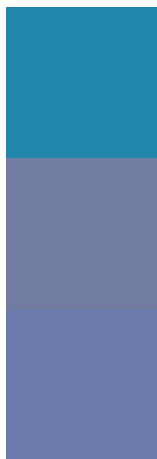


This preview shows how white text looks on a background with the XYZ color 16.6103, 20.5753,

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

16.6103, 20.5753, 41.6240

Protanopia

20.5440, 20.3520, 37.0280

Deuteranopia

20.9073, 20.4101, 42.8820



Tritanopia

14.5935, 20.3790, 32.0185

Trichromacy



Original Color

16.6103, 20.5753, 41.6240

Protanomaly

18.0371, 19.7802, 38.4646

Deuteranomaly

18.4405, 19.9013, 42.4046

Tritanomaly

15.2688, 20.4381, 35.4879

Monochromacy



Original Color

16.6103, 20.5753, 41.6240

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8834, 16.3010, 23.8874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6103, 20.5753, 41.6240 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, 135, 171)` looks like.

```
.text, #text, p{  
    color:rgb(32, 135, 171)  
}
```

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, 135, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 135, 171) }
```

Border

The CSS property to change the border of an element to XYZ 16.6103, 20.5753, 41.6240 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, 135, 171) }
```


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

```
.border{ border-color:rgb(32, 135, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 135, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 135, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 135, 171);  
box-shadow:4px 4px 4px 4px rgb(32, 135,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6103, 20.5753, 41.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 135, 171) }
```

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

```
.background{ background-color: rgb(32, 135,  
171) }
```

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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