

Converting Colors

XYZ(16.6493, 21.0914, 29.7895)

Have a look what the booklet for
XYZ(16.6493, 21.0914, 29.7895)
contains.

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Color

**XYZ(16.6626, 21.0691,
29.9766)**

Conversions

Conversions Part 1

Format	Color
Hex	498891
RGB	73, 136, 145
RGB Percent	29%, 53%, 57%
CMY	0.7137, 0.4667, 0.4314
CMYK	0.50, 0.06, 0.00, 0.43
HSL	187°, 33%, 43%
HSV	187°, 50%, 57%
XYZ	16.6626, 21.0691, 29.9766
YIQ	118.1890, -40.4370, -10.5570

Conversions

Conversions Part 2

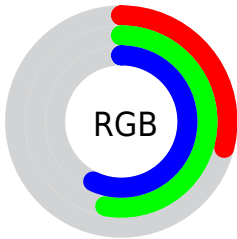
Format	Color
R_{YB}	73, 107, 145
Decimal	4819089
CIE _{Lab}	53.03, -17.68, -11.10
CIE _{LCh}	53, 20.879, 212.113
Y _{xy}	21.0691, 0.2461, 0.3112
Android (android.graphics.Color)	4283009169 (0xFF498891)
YUV	118.1890, 13.2178, -39.6308
Hunter-Lab	45.9011, -15.5294, -6.5897

Details

The XYZ color **16.6626, 21.0691, 29.9766** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8973, 12.5357, 7.8855**, and the grayscale version is **17.2486, 18.1468, 19.7619**.

A 20% lighter version of the original color is **37.2588, 45.0307, 60.7609**, and **5.5314, 7.5529, 11.9928** is the 20% darker color. If you saturate the color by 10%, you get **15.4366, 20.0618, 29.8472**, and if you desaturate by 10%, it is **18.1504, 22.2187, 30.1205**.

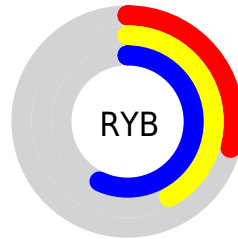
Distribution



Red (29%)

Green (53%)

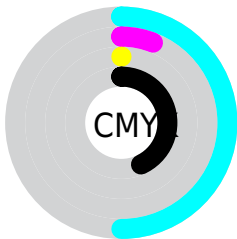
Blue (57%)



Red (29%)

Yellow (42%)

Blue (57%)

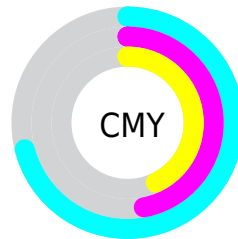


Cyan (50%)

Magenta (6%)

Yellow (0%)

Black (43%)



Cyan (71%)

Magenta (47%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6626, 21.0691, 29.9766 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 16.6626, 21.0691, 29.9766 by changing the saturation by 10% instead.

■ 16.6626, 21.0691,
29.9766

■ 16.6626, 21.0691,
29.9766

226.4148,
257.6455, 315.9993

■ 10.0880, 13.1745,
19.5689

■ 37.2930, 45.2025,
60.6857

■ 5.5201, 7.5488,
11.9011

■ 52.0795, 62.2101,
81.8243

■ 2.5934, 3.8076,
6.5547

■ 70.3341, 83.0242,
107.3769

■ 0.9426, 1.5666,
3.1110

■ 92.4220, 108.0292,
137.7620

■ 0.0000, 0.3349,
1.1516

■ 118.7087,
137.6094, 173.3983

■ 0.0000, 0.0000,
0.0000

149.5595,

172.1492, 214.7043

185.3398,
212.0331, 262.0984

■ 16.6626, 21.0691,
29.9766

■ 16.6626, 21.0691,
29.9766

■ 15.4366, 20.0618,
29.8472

■ 18.1504, 22.2187,
30.1205

■ 14.4523, 19.1851,
29.7298

■ 19.9144, 23.5166,
30.2780

■ 13.6900, 18.4291,
29.6241

■ 21.9702, 24.9714,
30.4505

■ 13.1257, 17.7815,
29.5288

■ 24.3317, 26.5904,
30.6385

■ 12.6989, 17.2111,
29.4412

■ 27.0119, 28.3802,
30.8427

■ 12.6846, 17.1917,
29.4382

■ 30.0232, 30.3472,
31.0636

■ 33.3770, 32.4973,
31.3019

■ 37.0844, 34.8364,
31.5580

■ 41.1559, 37.3698,
31.8324

Harmonies

Analogous

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



16.1009, 21.0691, 23.3888



16.6626, 21.0691, 29.9766



18.1176, 21.0691, 35.3535

Triad

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



16.6626, 21.0691, 29.9766



23.9879, 21.0691, 29.0644



19.8705, 21.0691, 12.8663

Complementary

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



16.6626, 21.0691, 29.9766



15.8973, 12.5357, 7.8855

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.



22.0630, 21.0691, 13.8378



16.6626, 21.0691, 29.9766



24.5411, 21.0691, 22.4983

Square

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



16.6626, 21.0691, 29.9766



22.3514, 21.0691, 34.7628



23.8130, 21.0691, 17.1020



17.8669, 21.0691, 14.1581

Rectangle

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



16.6626, 21.0691, 29.9766



19.4526, 21.0691, 37.0998



23.8130, 21.0691, 17.1020



20.6097, 21.0691, 12.9385

Sweetspot

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



16.6632, 21.0699, 29.9771



41.1120, 45.9414, 54.6743



14.3737, 22.2678, 11.4045



8.9733, 10.1013, 12.1490



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.6632, 21.0699, 29.9771



27.3345, 35.6612, 53.4162



12.4739, 12.6912, 28.5806



5.5036, 6.0029, 6.8974



10.8927, 14.7713, 25.2541



0.1146, 0.1621, 0.2449

Inverse Universe

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



18.5040, 12.5629, 24.7430



31.1543, 18.9555, 42.3425



19.2881, 19.3173, 9.0158



5.5976, 5.4996, 6.6452



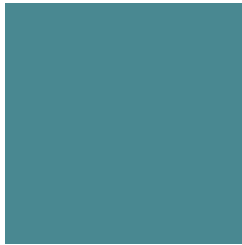
13.3012, 6.4775, 17.7694



0.1324, 0.0640, 0.1976

Previews

White Background



This preview shows how the XYZ color 16.6626, 21.0691, 29.9766 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 16.6626, 21.0691, 29.9766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

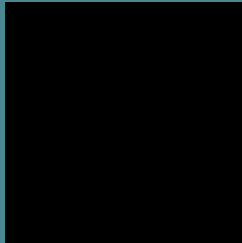
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6626, 21.0691, 29.9766

Background



This preview shows how black text looks on a background with the XYZ color 16.6626, 21.0691, 29.9766.

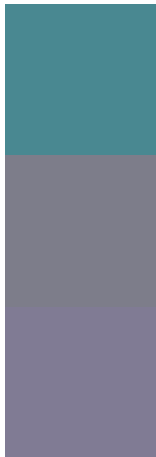


This preview shows how white text looks on a background with the XYZ color 16.6626, 21.0691,

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

16.6626, 21.0691, 29.9766

Protanopia

20.3785, 20.8622, 26.9975

Deuteranopia

21.3303, 20.8932, 30.9255



Tritanopia

16.8947, 21.1707, 30.7997

Trichromacy



Original Color

16.6626, 21.0691, 29.9766

Protanomaly

18.6018, 20.6878, 28.2120

Deuteranomaly

19.1700, 20.7331, 30.5953

Tritanomaly

16.8165, 21.1395, 30.3881

Monochromacy



Original Color

16.6626, 21.0691, 29.9766

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7094, 19.0505, 23.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6626, 21.0691, 29.9766 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(73, 136, 145)` looks like.

```
.text, #text, p{  
    color:rgb(73, 136, 145)  
}
```

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(73, 136, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 136, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.6626, 21.0691, 29.9766 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(73, 136, 145) }
```


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

```
.border{ border-color:rgb(73, 136, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 136, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 136, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 136, 145);  
box-shadow:4px 4px 4px 4px rgb(73, 136,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6626, 21.0691, 29.9766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 136, 145) }
```

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

```
.background{ background-color: rgb(73, 136,  
145) }
```

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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