

Converting Colors

XYZ(16.6161, 21.7238, 37.9677)

Have a look what the booklet for
XYZ(16.6161, 21.7238, 37.9677)
contains.

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Color

**XYZ(16.6161, 21.7238,
37.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	218CA3
RGB	33, 140, 163
RGB Percent	13%, 55%, 64%
CMY	0.8705, 0.4510, 0.3608
CMYK	0.80, 0.14, 0.00, 0.36
HSL	191°, 66%, 38%
HSV	191°, 80%, 64%
XYZ	16.6161, 21.7238, 37.9677
YIQ	110.6290, -71.1550, -15.5310

Conversions

Conversions Part 2

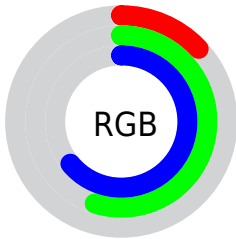
Format	Color
R_{YB}	33, 92, 163
Decimal	2198691
CIE _{Lab}	53.73, -21.00, -20.54
CIE _{LCh}	54, 29.374, 224.375
Yxy	21.7238, 0.2178, 0.2847
Android (android.graphics.Color)	4280388771 (0xFF218CA3)
YUV	110.6290, 25.8189, -68.0806
Hunter-Lab	46.6088, -17.9299, -15.6717

Details

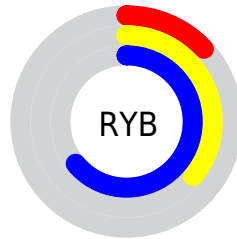
The XYZ color **16.6161, 21.7238, 37.9677** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7937, 10.7257, 2.6247**, and the grayscale version is **14.9456, 15.7240, 17.1234**.

A 20% lighter version of the original color is **37.3135, 46.4122, 73.3215**, and **6.5254, 8.4600, 16.3279** is the 20% darker color. If you saturate the color by 10%, you get **15.7994, 20.6858, 37.8108**, and if you desaturate by 10%, it is **17.6979, 22.9157, 38.1412**.

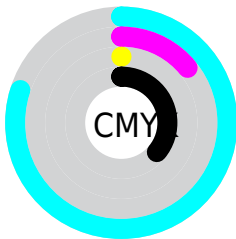
Distribution



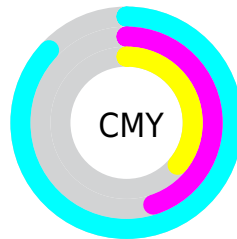
- Red (13%)
- Green (55%)
- Blue (64%)



- Red (13%)
- Yellow (36%)
- Blue (64%)



- Cyan (80%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6161, 21.7238, 37.9677 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 16.6161, 21.7238, 37.9677 by changing the saturation by 10% instead.

■ 16.6161, 21.7238,
37.9677

■ 16.6161, 21.7238,
37.9677

■ 226.1499,
261.1005, 352.7754

■ 10.0548, 13.6541,
25.6560

■ 37.2134, 46.2891,
73.2615

■ 5.4978, 7.8805,
16.3430

■ 51.9801, 63.5534,
97.0807

■ 2.5799, 4.0186,
9.6102

■ 70.2126, 84.6515,
125.5727

■ 0.9357, 1.6840,
5.0391

■ 92.2763, 109.9675,
159.1562

■ 0.0000, 0.4132,
2.2111

■ 118.5365,
139.8861, 198.2497

■ 0.0000, 0.0000,
0.6807

■ 149.3586,

■ 0.0000, 0.0000,

174.7915, 243.2717

0.0000

185.1079,
215.0682, 294.6408

■ 16.6161, 21.7238,
37.9677

■ 16.6161, 21.7238,
37.9677

■ 15.7994, 20.6858,
37.8108

■ 17.6979, 22.9157,
38.1412

■ 15.1735, 19.7620,
37.6655

■ 19.0749, 24.2760,
38.3311

■ 15.1584, 19.7392,
37.6619

■ 20.7755, 25.8197,
38.5395

■ 22.8240, 27.5594,
38.7673

■ 25.2422, 29.5067,
39.0157

■ 28.0504, 31.6720,
39.2857

■ 31.2671, 34.0650,
39.5780

■ 34.9096, 36.6948,
39.8936

■ 38.9945, 39.5699,
40.2333

Harmonies

Analogous

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



15.3214, 21.7238, 28.2240



16.6161, 21.7238, 37.9677



19.0599, 21.7238, 44.5862

Triad

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



16.6161, 21.7238, 37.9677



27.0435, 21.7238, 28.6371



19.1811, 21.7238, 10.5205

Complementary

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



16.6161, 21.7238, 37.9677



16.7937, 10.7257, 2.6247

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.



22.3216, 21.7238, 10.5777



16.6161, 21.7238, 37.9677



27.0845, 21.7238, 19.6052

Square

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



16.6161, 21.7238, 37.9677



25.1773, 21.7238, 38.3355



25.2840, 21.7238, 13.4826



16.6970, 21.7238, 13.2996

Rectangle

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



16.6161, 21.7238, 37.9677



21.1131, 21.7238, 45.4928



25.2840, 21.7238, 13.4826



20.1895, 21.7238, 10.2363

Sweetspot

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



16.6168, 21.7246, 37.9682



47.7845, 54.8505, 70.1248



14.4067, 26.7909, 7.9856



10.3555, 12.0271, 15.7132



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.6168, 21.7246, 37.9682



27.4123, 35.7240, 67.5068



9.8464, 8.1838, 35.7114



7.1690, 7.7971, 9.0302



11.8103, 15.4001, 29.2798



0.2745, 0.3762, 0.6240

Inverse Universe

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



20.3823, 10.7684, 25.8159



34.9494, 17.2516, 42.4072



22.0560, 21.2503, 4.3788



7.3103, 7.1806, 8.6204



15.1068, 7.3988, 18.2848



0.3307, 0.1608, 0.4541

Previews

White Background



This preview shows how the XYZ color 16.6161, 21.7238, 37.9677 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 16.6161, 21.7238, 37.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

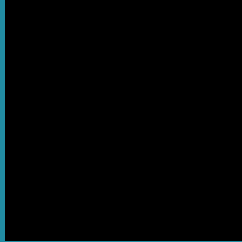
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6161, 21.7238, 37.9677

Background



This preview shows how black text looks on a background with the XYZ color 16.6161, 21.7238, 37.9677.

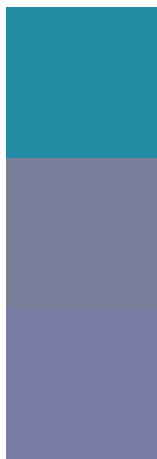


This preview shows how white text looks on a background with the XYZ color 16.6161, 21.7238,

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

16.6161, 21.7238, 37.9677

Protanopia

21.3196, 21.3924, 33.5773

Deuteranopia

21.8243, 21.3423, 39.0456



Tritanopia

15.7320, 21.8053, 33.5167

Trichromacy



Original Color

16.6161, 21.7238, 37.9677

Protanomaly

18.4186, 20.8406, 34.9502

Deuteranomaly

18.7987, 20.7566, 38.6129

Tritanomaly

16.0116, 21.6907, 35.2411

Monochromacy



Original Color

16.6161, 21.7238, 37.9677

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.5561, 17.3698, 23.7046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6161, 21.7238, 37.9677 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(33, 140, 163)` looks like.

```
.text, #text, p{  
    color:rgb(33, 140, 163)  
}
```

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(33, 140, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 140, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.6161, 21.7238, 37.9677 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(33, 140, 163) }
```


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

```
.border{ border-color:rgb(33, 140, 163) }
```

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

Here you see how a box with a 4 pixel rgb(33, 140, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 140, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 140, 163);  
box-shadow:4px 4px 4px 4px rgb(33, 140,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6161, 21.7238, 37.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 140, 163) }
```

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

```
.background{ background-color: rgb(33, 140,  
163) }
```

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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