

Converting Colors

XYZ(21.8682, 29.7435, 48.8392)

Have a look what the booklet for
XYZ(21.8682, 29.7435, 48.8392)
contains.

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Color

**XYZ(21.8716, 29.7424,
48.8441)**

Conversions

Conversions Part 1

Format	Color
Hex	16A3B6
RGB	22, 163, 182
RGB Percent	9%, 64%, 71%
CMY	0.9136, 0.3608, 0.2863
CMYK	0.88, 0.10, 0.00, 0.29
HSL	187°, 78%, 40%
HSV	187°, 88%, 71%
XYZ	21.8716, 29.7424, 48.8441
YIQ	123.0070, -90.1350, -23.9830

Conversions

Conversions Part 2

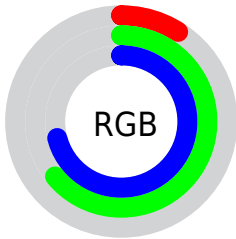
Format	Color
R_{YB}	22, 97, 182
Decimal	1483702
CIE _{Lab}	61.43, -27.36, -19.60
CIE _{LCh}	61, 33.655, 215.617
Yxy	29.7424, 0.2177, 0.2961
Android (android.graphics.Color)	4279673782 (0xFF16A3B6)
YUV	123.0070, 29.0835, -88.5831
Hunter-Lab	54.5366, -23.8526, -14.9257

Details

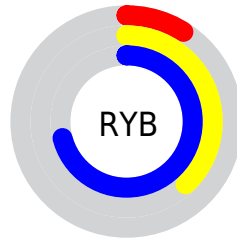
The XYZ color **21.8716, 29.7424, 48.8441** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.2303, 11.5904, 1.9310**, and the grayscale version is **18.7598, 19.7368, 21.4934**.

A 20% lighter version of the original color is **45.9835, 59.1406, 89.8806**, and **9.6469, 12.9539, 22.7608** is the 20% darker color. If you saturate the color by 10%, you get **21.2085, 28.8363, 48.7047**, and if you desaturate by 10%, it is **22.8120, 30.8024, 48.9997**.

Distribution



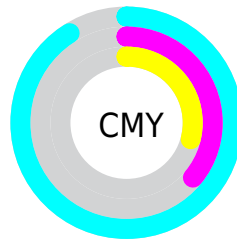
- Red (9%)
- Green (64%)
- Blue (71%)



- Red (9%)
- Yellow (38%)
- Blue (71%)



- Cyan (88%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8716, 29.7424, 48.8441 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 21.8716, 29.7424, 48.8441 by changing the saturation by 10% instead.

■ 21.8716, 29.7424,
48.8441

■ 21.8716, 29.7424,
48.8441

254.5200,
300.7019, 398.7331

■ 13.8787, 19.6431,
34.1311

■ 46.0141, 59.2546,
89.8385

■ 8.1175, 12.1359,
22.7162

■ 62.8944, 79.4363,
116.9569

■ 4.2226, 6.8363,
14.1807

■ 83.4679, 103.7476,
149.0475

■ 1.8288, 3.3599,
8.1063

■ 108.0998,
132.5728, 186.5290

■ 0.5350, 1.3224,
4.0743

■ 137.1557,
166.2965, 229.8197

■ 0.0000, 0.1585,
1.6662

171.0007,

■ 0.0000, 0.0000,

205.3030, 279.3382

0.3374

210.0004,
249.9766, 335.5032

■ 0.0000, 0.0000,
0.0000

■ 21.8716, 29.7424,
48.8441

■ 21.8716, 29.7424,
48.8441

■ 21.2085, 28.8363,
48.7047

■ 22.8120, 30.8024,
48.9997

■ 21.0817, 28.6535,
48.6761

■ 24.0915, 32.0464,
49.1724

■ 25.7523, 33.4968,
49.3648

■ 27.8300, 35.1720,
49.5786

■ 30.3556, 37.0880,
49.8154

■ 33.3576, 39.2596,
50.0763

■ 36.8617, 41.7001,
50.3627

■ 40.8921, 44.4219,
50.6756

■ 45.4712, 47.4367,
51.0162

Harmonies

Analogous

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



20.5840, 29.7424, 34.8414



21.8716, 29.7424, 48.8441



24.8838, 29.7424, 60.2056

Triad

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



21.8716, 29.7424, 48.8441



36.7956, 29.7424, 43.5840



27.4404, 29.7424, 13.6140

Complementary

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



21.8716, 29.7424, 48.8441



20.2303, 11.5904, 1.9310

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.



31.9487, 29.7424, 14.8071



21.8716, 29.7424, 48.8441



37.6626, 29.7424, 30.0457

Square

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



21.8716, 29.7424, 48.8441



33.5477, 29.7424, 56.6532



35.8067, 29.7424, 20.1127



23.5757, 29.7424, 16.2760

Rectangle

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



21.8716, 29.7424, 48.8441



27.6208, 29.7424, 63.4569



35.8067, 29.7424, 20.1127



28.9278, 29.7424, 13.5882

Sweetspot

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



21.8726, 29.7435, 48.8448



61.3465, 71.7918, 90.8596



17.4543, 33.7851, 7.6704



13.1024, 15.5392, 20.0304



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.8726, 29.7435, 48.8448



38.1052, 51.7177, 88.2099



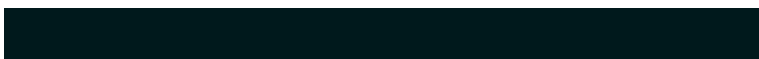
11.8948, 9.7879, 45.5189



9.1732, 10.0236, 11.5307



14.9194, 20.2984, 34.3847



0.5519, 0.7674, 1.2208

Inverse Universe

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



26.1900, 13.1643, 35.8120



46.4822, 22.6332, 62.2318



26.2347, 23.5992, 3.9325



9.3338, 9.1439, 11.1050



18.1443, 8.8315, 24.4444



0.6527, 0.3166, 0.9306

Previews

White Background



This preview shows how the XYZ color 21.8716, 29.7424, 48.8441 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 21.8716, 29.7424, 48.8441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

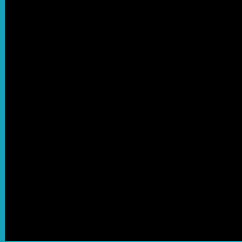
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8716, 29.7424, 48.8441

Background



This preview shows how black text looks on a background with the XYZ color 21.8716, 29.7424, 48.8441.

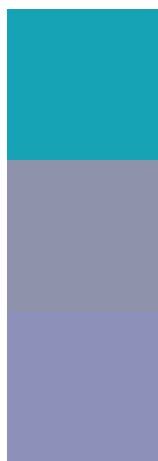


This preview shows how white text looks on a background with the XYZ color 21.8716, 29.7424,

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

21.8716, 29.7424, 48.8441

Protanopia

28.9573, 29.3377, 42.6646

Deuteranopia

29.9728, 29.4587, 50.5607



Tritanopia

21.3114, 29.7769, 46.2193

Trichromacy



Original Color

21.8716, 29.7424, 48.8441

Protanomaly

24.1117, 28.2043, 44.7306

Deuteranomaly

25.0222, 28.5559, 50.0920

Tritanomaly

21.5781, 29.8912, 47.2801

Monochromacy



Original Color

21.8716, 29.7424, 48.8441

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9603, 22.1690, 29.7180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8716, 29.7424, 48.8441 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(22, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(22, 163, 182)  
}
```

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(22, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 163, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.8716, 29.7424, 48.8441 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(22, 163, 182) }
```


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

```
.border{ border-color:rgb(22, 163, 182) }
```

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

Here you see how a box with a 4 pixel rgb(22, 163, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 163, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 163, 182);  
box-shadow:4px 4px 4px 4px rgb(22, 163,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8716, 29.7424, 48.8441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 163, 182) }
```

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

```
.background{ background-color: rgb(22, 163,  
182) }
```

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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