

Converting Colors

XYZ(14.7456, 22.0047, 21.1635)

Have a look what the booklet for
XYZ(14.7456, 22.0047, 21.1635)
contains.

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Color

**XYZ(14.7796, 22.0326,
21.2431)**

Conversions

Conversions Part 1

Format	Color
Hex	349078
RGB	52, 144, 120
RGB Percent	20%, 56%, 47%
CMY	0.7961, 0.4353, 0.5294
CMYK	0.64, 0.00, 0.17, 0.44
HSL	164°, 47%, 38%
HSV	164°, 64%, 56%
XYZ	14.7796, 22.0326, 21.2431
YIQ	113.7560, -47.1280, -26.9680

Conversions

Conversions Part 2

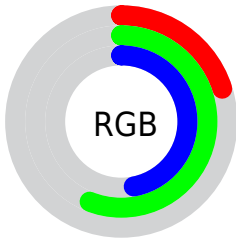
Format	Color
R_{YB}	52, 105, 144
Decimal	3444856
CIE _{Lab}	54.06, -33.12, 4.80
CIE _{LCh}	54, 33.464, 171.756
Yxy	22.0326, 0.2546, 0.3795
Android (android.graphics.Color)	4281634936 (0xFF349078)
YUV	113.7560, 3.0783, -54.1600
Hunter-Lab	46.9389, -25.9390, 6.0244

Details

The XYZ color **14.7796, 22.0326, 21.2431** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.0348, 8.9077, 7.8180**, and the grayscale version is **15.9229, 16.7522, 18.2431**.

A 20% lighter version of the original color is **33.9472, 46.6179, 46.2387**, and **5.0840, 8.2966, 7.4643** is the 20% darker color. If you saturate the color by 10%, you get **13.9250, 21.6184, 20.0365**, and if you desaturate by 10%, it is **15.8705, 22.5687, 22.5084**.

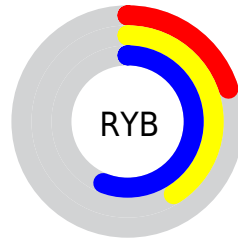
Distribution



Red (20%)

Green (56%)

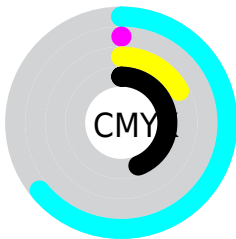
Blue (47%)



Red (20%)

Yellow (41%)

Blue (56%)

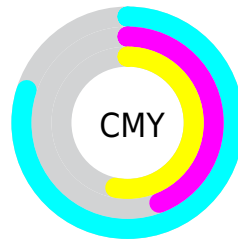


Cyan (64%)

Magenta (0%)

Yellow (17%)

Black (44%)



Cyan (80%)

Magenta (44%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7796, 22.0326, 21.2431 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 14.7796, 22.0326, 21.2431 by changing the saturation by 10% instead.

■ 14.7796, 22.0326,
21.2431

■ 14.7796, 22.0326,
21.2431

215.4432,
262.7165, 271.3910

■ 8.7502, 13.8809,
13.1088

■ 34.0409, 46.7999,
46.3778

■ 4.6344, 8.0378,
7.3719

■ 48.0035, 64.1842,
64.2153

■ 2.0669, 4.1192,
3.6138

■ 65.3411, 85.4148,
86.1244

■ 0.6711, 1.7404,
1.4160

■ 86.4193, 110.8762,
112.5234

■ 0.0000, 0.4496,
0.1541

■ 111.6032,
140.9526, 143.8311

■ 0.0000, 0.0000,
0.0000

■ 141.2582,

176.0285, 180.4659

175.7498,
216.4884, 222.8463

■ 14.7796, 22.0326,
21.2431

■ 14.7796, 22.0326,
21.2431

■ 13.9250, 21.6184,
20.0365

■ 15.8705, 22.5687,
22.5084

■ 13.2835, 21.3125,
18.8856

■ 17.2146, 23.2337,
23.8323

■ 12.8296, 21.1024,
17.7892

■ 18.8294, 24.0371,
25.2166

■ 12.5978, 20.9969,
17.1432

■ 20.7301, 24.9870,
26.6626

■ 22.9310, 26.0905,
28.1713

■ 25.4453, 27.3544,
29.7439

■ 28.2853, 28.7852,
31.3815

■ 31.4629, 30.3889,
33.0850

■ 34.9891, 32.1712,
34.8555

Harmonies

Analogous

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



15.9358, 22.0326, 13.6437



14.7796, 22.0326, 21.2431



15.1182, 22.0326, 32.1646

Triad

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



14.7796, 22.0326, 21.2431



23.6291, 22.0326, 47.6801



25.5530, 22.0326, 11.4910

Complementary

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



14.7796, 22.0326, 21.2431



14.0348, 8.9077, 7.8180

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.



28.0953, 22.0326, 17.3326



14.7796, 22.0326, 21.2431



26.8985, 22.0326, 38.5685

Square

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



14.7796, 22.0326, 21.2431



19.9589, 22.0326, 49.6253



28.6142, 22.0326, 26.9635



21.9554, 22.0326, 9.1736

Rectangle

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



14.7796, 22.0326, 21.2431



16.1655, 22.0326, 39.8677



28.6142, 22.0326, 26.9635



26.5757, 22.0326, 13.0111

Sweetspot

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



14.7802, 22.0335, 21.2436



38.2406, 44.9107, 48.2078



13.6168, 21.7537, 6.7305



8.5452, 10.1867, 10.8986



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.



14.7802, 22.0335, 21.2436



23.9844, 37.8528, 34.3740



13.4761, 16.7949, 28.9179



5.5010, 6.0926, 6.6041



10.9799, 18.2878, 14.9803



0.1140, 0.1785, 0.1908

Inverse Universe

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



14.0348, 8.9077, 7.8180



22.5990, 12.7545, 8.9006



14.5355, 11.0046, 4.6072



5.4631, 5.4457, 5.9364



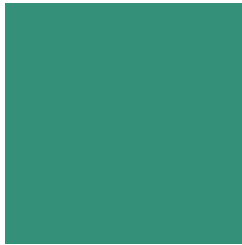
10.3231, 5.2862, 2.0866



0.1067, 0.0537, 0.0621

Previews

White Background



This preview shows how the XYZ color 14.7796, 22.0326, 21.2431 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 14.7796, 22.0326, 21.2431 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 14.7796, 22.0326, 21.2431

Background



This preview shows how black text looks on a background with the XYZ color 14.7796, 22.0326, 21.2431.



This preview shows how white text looks on a background with the XYZ color 14.7796, 22.0326,

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

14.7796, 22.0326, 21.2431

Protanopia

20.6355, 21.7591, 18.4416

Deuteranopia

22.0011, 21.6213, 22.0825



Tritanopia

17.1440, 22.1144, 32.6431

Trichromacy



Original Color

14.7796, 22.0326, 21.2431

Protanomaly

17.4453, 21.2913, 19.4098

Deuteranomaly

17.9981, 20.9139, 21.8271

Tritanomaly

16.1220, 21.9039, 28.1891

Monochromacy



Original Color

14.7796, 22.0326, 21.2431

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.8004, 18.1523, 19.2467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7796, 22.0326, 21.2431 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(52, 144, 120)` looks like.

```
.text, #text, p{  
    color:rgb(52, 144, 120)  
}
```

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(52, 144, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 144, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.7796, 22.0326, 21.2431 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(52, 144, 120) }
```


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

```
.border{ border-color:rgb(52, 144, 120) }
```

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

Here you see how a box with a 4 pixel rgb(52, 144, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 144, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 144, 120);  
box-shadow:4px 4px 4px 4px rgb(52, 144,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7796, 22.0326, 21.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 144, 120) }
```

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

```
.background{ background-color: rgb(52, 144,  
120) }
```

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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