

Converting Colors

XYZ(20.8509, 27.6501, 46.7729)

Have a look what the booklet for
XYZ(20.8509, 27.6501, 46.7729)
contains.

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Color

**XYZ(20.9212, 27.7437,
46.9002)**

Conversions

Conversions Part 1

Format	Color
Hex	249DB3
RGB	36, 157, 179
RGB Percent	14%, 62%, 70%
CMY	0.8588, 0.3843, 0.2980
CMYK	0.80, 0.12, 0.00, 0.30
HSL	189°, 67%, 42%
HSV	189°, 80%, 70%
XYZ	20.9212, 27.7437, 46.9002
YIQ	123.3290, -79.1780, -18.8100

Conversions

Conversions Part 2

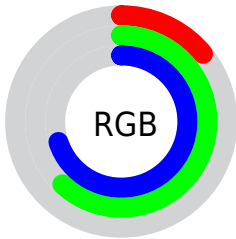
Format	Color
R_{YB}	36, 102, 179
Decimal	2399667
CIE _{Lab}	59.66, -24.21, -20.60
CIE _{LCh}	60, 31.791, 220.392
Yxy	27.7437, 0.2189, 0.2903
Android (android.graphics.Color)	4280589747 (0xFF249DB3)
YUV	123.3290, 27.4458, -76.5875
Hunter-Lab	52.6723, -21.2771, -15.9221

Details

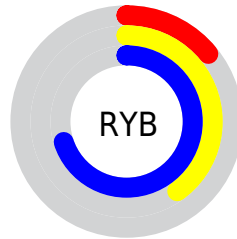
The XYZ color **20.9212, 27.7437, 46.9002** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.4228, 12.7384, 3.0524**, and the grayscale version is **18.8677, 19.8503, 21.6170**.

A 20% lighter version of the original color is **44.4827, 56.1493, 87.0907**, and **8.8175, 11.6095, 21.5148** is the 20% darker color. If you saturate the color by 10%, you get **19.9850, 26.5777, 46.7250**, and if you desaturate by 10%, it is **22.1819, 29.0937, 47.0949**.

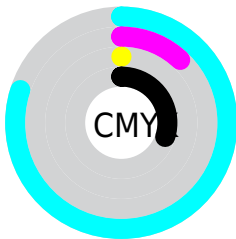
Distribution



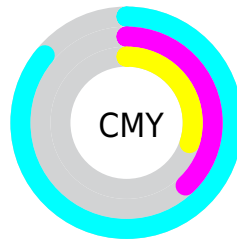
- Red (14%)
- Green (62%)
- Blue (70%)



- Red (14%)
- Yellow (40%)
- Blue (70%)



- Cyan (80%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9212, 27.7437, 46.9002 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 20.9212, 27.7437, 46.9002 by changing the saturation by 10% instead.

■ 20.9212, 27.7437,
46.9002

■ 20.9212, 27.7437,
46.9002

249.5991,
291.2402, 390.7983

■ 13.1785, 18.1325,
32.6030

■ 44.4486, 56.0750,
86.9131

■ 7.6295, 11.0452,
21.5539

■ 60.9641, 75.5639,
113.4658

■ 3.9086, 6.0972,
13.3343

■ 81.1346, 99.1142,
144.9407

■ 1.6505, 2.9043,
7.5257

■ 105.3254,
127.1103, 181.7565

■ 0.4250, 1.0820,
3.7096

■ 133.9018,
159.9365, 224.3316

■ 0.0000, 0.0000,
1.4674

167.2294,

■ 0.0000, 0.0000,

197.9773, 273.0846

0.1935

205.6733,
241.6171, 328.4339

■ 0.0000, 0.0000,
0.0000

■ 20.9212, 27.7437,
46.9002

■ 20.9212, 27.7437,
46.9002

■ 19.9850, 26.5777,
46.7250

■ 22.1819, 29.0937,
47.0949

■ 19.2858, 25.5488,
46.5633

■ 23.8056, 30.6459,
47.3089

■ 19.2779, 25.5369,
46.5614

■ 25.8281, 32.4196,
47.5446

■ 28.2800, 34.4305,
47.8036

■ 31.1890, 36.6930,
48.0869

■ 34.5806, 39.2204,
48.3960

■ 38.4780, 42.0247,
48.7319

■ 42.9031, 45.1174,
49.0956

■ 47.8767, 48.5091,
49.4881

Harmonies

Analogous

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



19.4881, 27.7437, 34.3701



20.9212, 27.7437, 46.9002



23.8653, 27.7437, 56.1564

Triad

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



20.9212, 27.7437, 46.9002



34.3220, 27.7437, 38.2426



25.0027, 27.7437, 13.2754

Complementary

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



20.9212, 27.7437, 46.9002



20.4228, 12.7384, 3.0524

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.



29.0431, 27.7437, 13.8134



20.9212, 27.7437, 46.9002



34.7057, 27.7437, 26.3966

Square

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



20.9212, 27.7437, 46.9002



31.6895, 27.7437, 50.3456



32.6901, 27.7437, 18.0370



21.6811, 27.7437, 16.3157

Rectangle

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



20.9212, 27.7437, 46.9002



26.4224, 27.7437, 58.1142



32.6901, 27.7437, 18.0370



26.3168, 27.7437, 13.0674

Sweetspot

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



20.9221, 27.7447, 46.9009



59.0748, 68.1342, 86.4188



17.5983, 32.9159, 9.3572



12.6224, 14.7464, 19.1033



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.9221, 27.7447, 46.9009



34.8320, 46.1755, 83.4581



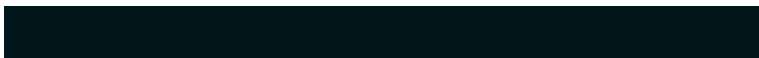
12.1972, 10.2948, 43.9926



8.6291, 9.4044, 10.8668



13.6609, 18.1222, 32.9149



0.4598, 0.6301, 1.0456

Inverse Universe

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



25.3079, 13.2807, 33.1289



43.5631, 21.4326, 55.1325



26.7535, 25.3998, 5.1626



8.7927, 8.6238, 10.4069



17.1301, 8.3696, 21.6426



0.5541, 0.2694, 0.7606

Previews

White Background



This preview shows how the XYZ color 20.9212, 27.7437, 46.9002 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 20.9212, 27.7437, 46.9002 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

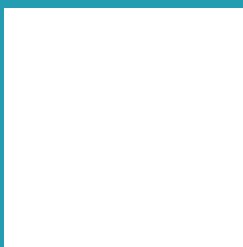
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9212, 27.7437, 46.9002

Background



This preview shows how black text looks on a background with the XYZ color 20.9212, 27.7437, 46.9002.

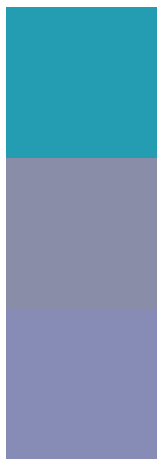


This preview shows how white text looks on a background with the XYZ color 20.9212, 27.7437,

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

20.9212, 27.7437, 46.9002

Protanopia

26.9093, 27.1953, 40.8767

Deuteranopia

27.9170, 27.3260, 48.6028



Tritanopia

20.0295, 27.6270, 42.8050

Trichromacy



Original Color

20.9212, 27.7437, 46.9002

Protanomaly

23.1356, 26.5553, 42.9360

Deuteranomaly

23.8680, 26.5878, 48.1300

Tritanomaly

20.4023, 27.7857, 44.3323

Monochromacy



Original Color

20.9212, 27.7437, 46.9002

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.9363, 21.5353, 29.1980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9212, 27.7437, 46.9002 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(36, 157, 179)` looks like.

```
.text, #text, p{  
    color:rgb(36, 157, 179)  
}
```

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(36, 157, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 157, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.9212, 27.7437, 46.9002 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(36, 157, 179) }
```


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

```
.border{ border-color:rgb(36, 157, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 157, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 157, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 157, 179);  
box-shadow:4px 4px 4px 4px rgb(36, 157,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9212, 27.7437, 46.9002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 157, 179) }
```

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

```
.background{ background-color: rgb(36, 157,  
179) }
```

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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