

Converting Colors

XYZ(18.1170, 29.4255, 24.1302)

Have a look what the booklet for
XYZ(18.1170, 29.4255, 24.1302)
contains.

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Color

**XYZ(18.1161, 29.4252,
24.1268)**

Conversions

Conversions Part 1

Format	Color
Hex	20A77D
RGB	32, 167, 125
RGB Percent	13%, 65%, 49%
CMY	0.8745, 0.3451, 0.5098
CMYK	0.81, 0.00, 0.25, 0.35
HSL	161°, 68%, 39%
HSV	161°, 81%, 65%
XYZ	18.1161, 29.4252, 24.1268
YIQ	121.8470, -66.9780, -41.6820

Conversions

Conversions Part 2

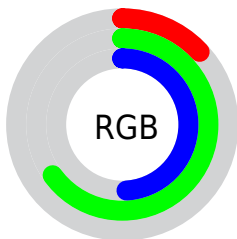
Format	Color
RYB	32, 112, 167
Decimal	2140029
CIELab	61.16, -44.82, 12.00
CIELCh	61, 46.396, 165.010
Yxy	29.4252, 0.2528, 0.4106
Android (android.graphics.Color)	4280330109 (0xFF20A77D)
YUV	121.8470, 1.5544, -78.7958
Hunter-Lab	54.2450, -35.3154, 11.6008

Details

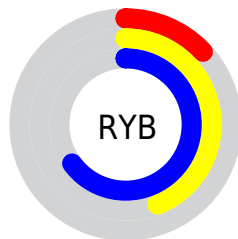
The XYZ color **18.1161, 29.4252, 24.1268** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.6900, 9.7438, 7.4286**, and the grayscale version is **18.4607, 19.4220, 21.1506**.

A 20% lighter version of the original color is **39.7904, 58.7564, 51.3634**, and **7.3218, 12.5564, 8.8752** is the 20% darker color. If you saturate the color by 10%, you get **17.3996, 29.0940, 22.4061**, and if you desaturate by 10%, it is **19.1144, 29.9012, 25.9527**.

Distribution



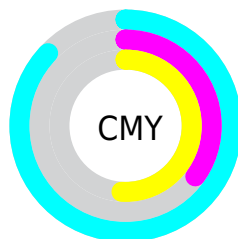
- Red (13%)
- Green (65%)
- Blue (49%)



- Red (13%)
- Yellow (44%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1161, 29.4252, 24.1268 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 18.1161, 29.4252, 24.1268 by changing the saturation by 10% instead.

■ 18.1161, 29.4252,
24.1268

■ 18.1161, 29.4252,
24.1268

■ 234.5576,
299.2159, 286.7681

■ 11.1336, 19.4027,
15.2146

■ 39.7636, 58.7520,
51.1835

■ 6.2247, 11.9616,
8.8219

■ 55.1593, 78.8250,
70.1650

■ 3.0241, 6.7176,
4.5300

■ 74.0900, 103.0171,
93.3402

■ 1.1665, 3.2861,
1.9203

■ 96.9212, 131.7125,
121.1274

■ 0.0797, 1.2829,
0.5056

■ 124.0182,
165.2957, 153.9453

■ 0.0000, 0.1279,
0.0000

■ 155.7464,

■ 0.0000, 0.0000,

204.1511, 192.2123

0.0000

192.4710,
248.6630, 236.3471

■ 18.1161, 29.4252,
24.1268

■ 18.1161, 29.4252,
24.1268

■ 17.3996, 29.0940,
22.4061

■ 19.1144, 29.9012,
25.9527

■ 16.9162, 28.8772,
20.9148

■ 20.4273, 30.5366,
27.8847

■ 22.0856, 31.3481,
29.9262

■ 24.1156, 32.3490,
32.0797

■ 26.5411, 33.5517,
34.3475

■ 29.3836, 34.9672,
36.7320

■ 32.6633, 36.6060,
39.2353

■ 36.3988, 38.4775,
41.8594

■ 40.6080, 40.5909,
44.6063

Harmonies

Analogous

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



20.4794, 29.4252, 13.7023



18.1161, 29.4252, 24.1268



18.1169, 29.4252, 41.5288

Triad

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



18.1161, 29.4252, 24.1268



31.1101, 29.4252, 76.5511



37.0863, 29.4252, 13.6977

Complementary

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



18.1161, 29.4252, 24.1268



17.6900, 9.7438, 7.4286

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.



40.8656, 29.4252, 24.1177



18.1161, 29.4252, 24.1268



37.0897, 29.4252, 62.0638

Square

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



18.1161, 29.4252, 24.1268



25.0481, 29.4252, 76.5563



40.8669, 29.4252, 41.5157



31.1060, 29.4252, 9.3413

Rectangle

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



18.1161, 29.4252, 24.1268



19.4343, 29.4252, 55.3769



40.8669, 29.4252, 41.5157



38.6923, 29.4252, 16.3980

Sweetspot

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



18.1169, 29.4264, 24.1275



50.7009, 61.6639, 64.2204



16.9627, 29.2288, 6.1148



10.9564, 13.6053, 14.0435



80.6108, 84.8088, 92.3568



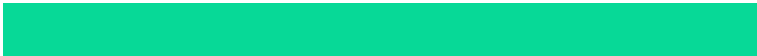
14.7206, 15.4872, 16.8656

Same Dimension

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



18.1169, 29.4264, 24.1275



30.4430, 51.7841, 37.8118



17.2820, 22.5189, 39.9963



7.6467, 8.4917, 9.1256



12.9667, 22.1054, 16.1234



0.3369, 0.5464, 0.5051

Inverse Universe

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



17.6900, 9.7438, 7.4286



29.7786, 15.3214, 7.5046



17.6489, 11.2224, 2.6030



7.6237, 7.5793, 8.3354



12.6881, 6.4840, 3.1693



0.3315, 0.1669, 0.1970

Previews

White Background



This preview shows how the XYZ color 18.1161, 29.4252, 24.1268 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 18.1161, 29.4252, 24.1268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

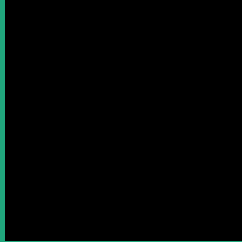
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1161, 29.4252, 24.1268

Background



This preview shows how black text looks on a background with the XYZ color 18.1161, 29.4252, 24.1268.



This preview shows how white text looks on a background with the XYZ color 18.1161, 29.4252,

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

18.1161, 29.4252, 24.1268

Protanopia

27.0837, 28.8635, 20.3634

Deuteranopia

29.3475, 28.7954, 25.4840



Tritanopia

22.3093, 29.5378, 44.5699

Trichromacy



Original Color

18.1161, 29.4252, 24.1268



Protanomaly

21.4409, 27.8226, 21.6930



Deuteranomaly

22.2049, 27.1796, 24.8447



Tritanomaly

20.4133, 29.2728, 36.0268

Monochromacy



Original Color

18.1161, 29.4252, 24.1268



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.7835, 21.7309, 22.0488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1161, 29.4252, 24.1268 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(32, 167, 125)` looks like.

```
.text, #text, p{  
    color:rgb(32, 167, 125)  
}
```

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(32, 167, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 167, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.1161, 29.4252, 24.1268 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(32, 167, 125) }
```


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

```
.border{ border-color:rgb(32, 167, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 167, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 167, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 167, 125);  
box-shadow:4px 4px 4px 4px rgb(32, 167,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1161, 29.4252, 24.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 167, 125) }
```

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

```
.background{ background-color: rgb(32, 167,  
125) }
```

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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